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Report:

VITAL STATISTICS AND INDUCED TERMINATIONS OF PREGNANCY

1987

1889

DEPARTMENT OF HEALTH
State of Washington

Vital Statistics and Induced Terminations of Pregnancy Washington State

1987

Health Data Section

Office of Health Data Coordination and Consultation

Division of Health Data, Quality Assessment and Planning

Department of Health

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Introduction

The 1987 Summary of Vital Statistics and Induced Terminations of Pregnancy contains a summary presentation, in tabular form, of the vital events (birth, death, marriage, divorce) and induced abortions which occurred during the calendar year 1987. In the interest of easy comparison, essentially the same format of tabular presentation has been continued as was used in previous reports, except that several new tables have been added this year:

Natality

Table 14. Live Births with Maternal Smoking by Mother's Place of Residence, Washington State 1987 .

Mortality

Table 11. Deaths Due to Human Immunodeficiency Virus by Rates by Place of Residence, Washington State 1987.

Table 17. Deaths Due to Human Immunodeficiency Virus by Rates by Place of Occurrence, Washington State 1987.

Induced Terminations Of Pregnancy

Table 16. Second TrimesterA bortions by Patient's Age by County of Residence, Washington State 1987.

Table 17. Repeat Abortions by Patient's Age by County of Residence, Washington State 1987.

Two additional changes have been made:

1. On Birth Table 1D (Residence Live Births by Attendant), the category previously grouped as 'midwife' has been separated into three entries: licensed, certified, and other midwife.

2. Death Table 21 (Infant Deaths by Race by Place of Residence) is now tabulated by child's race at birth rather than race at death, as was used in previous years. This change was made in recognition of the fact that the race at death underestimates infant mortality among minority groups, as some infants classified non-White at birth are classified White at death.

For those who find that the data in this report do not meet all their needs, additional data are available and can be obtained by calling Statistics at (206) 753-5938.

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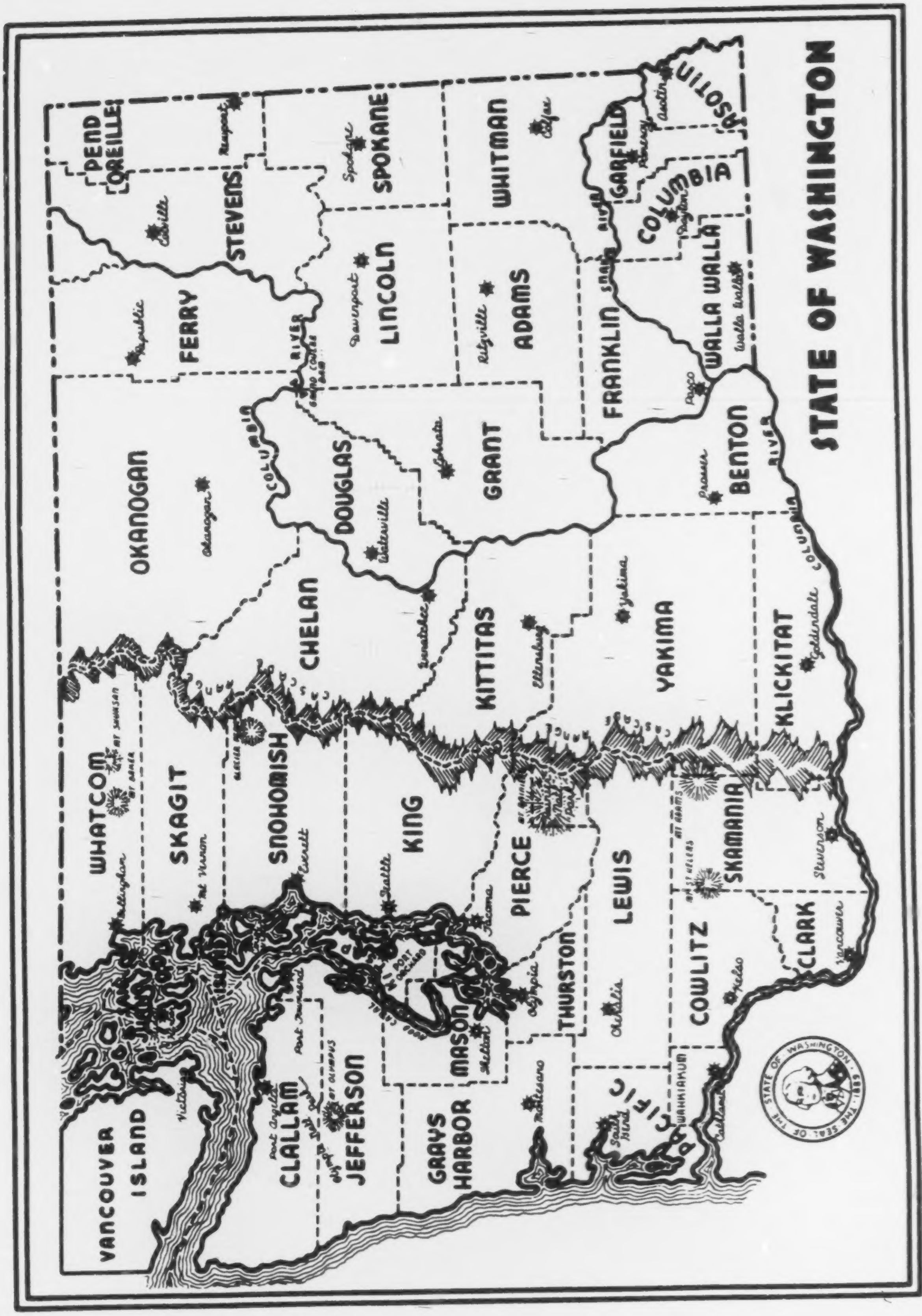
STATE OF WASHINGTON
VANCOUVER ISLAND
Victoria
CLALLAM
Port Angeles
JEFFERSON
Port Townsend
MT OLYMPUS
GRAYS HARBOR
Montesano
MASON
Shelton
PACIFIC
South Bend
WAHKIAKUM
Cathlamet
THURSTON
Olympia
COWLITZ
Kelso
CLARK
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LEWIS
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PIERCE
Tacoma
MT RAINIER
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Everett
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YAKIMA
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FERRY
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STEVENS
Colville
PEND OREILLE
Newport
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Pomeroy
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Asotin
THE SEAL OF THE STATE OF WASHINGTON · 1889 ·

TRENDS

Natality
Mortality
Infant Mortality
Fetal Mortality

Introduction

The birth, death, infant and fetal death analysis section has two parts for each data source. The first part ("1987 At A Glance") puts 1987 vital events into perspective by comparing them to US data and presenting time trends for Washington State. The second part ("Is Washington State Meeting 1990 Goals?") examines whether or not Washington State will meet the Surgeon General's 1990 goals. These goals have been established as targets to guide health promotion and disease prevention programs in their efforts to improve the health of the American people by the year 1990. Tracking progress towards these goals helps to identify areas where the state is doing comparatively well and problem areas where special efforts may be needed.

Methods

Trends are determined by comparing 1987 to the previous five years, thus they represent recent trends only. Long-term trends in rates are shown on the accompanying graphs.

Projected 1990 Washington State rates are determined by assuming that current trends will continue to 1990. Because this is a rough approximation, projected data are given in whole numbers only, to reflect their uncertainty.

Sources Of Data

Washington State data are based on 1987 Washington State resident events, except where two or three years are combined to provide more stability in rates. These cases are noted on the tables.

US figures are based on data reported in the National Center for Health Statistics (NCHS) Monthly Vital Statistics Reports (USDHHS, Public Health Service, Hyattsville, Maryland). Data are the most recently available; data years used are noted on the tables.

1990 goals are given in the NCHS publication Health: United States, 1986. (DHHS Publication No. PHS 87-1232. Public Health Service, Washington, US Government Printing Office, December, 1986).

1987 Natality at a Glance

Washington State 1987

Item	Data	Trend[1]	Comparable US Data[2]
Number of Births	70,329	N	
Birth Rate (per 1,000 population)	15.7	-	15.7
Fertility Rate (per 1,000 women aged 15-44	66.1	-	66.1
Low Birth Weight Births (2,500 grams or less)	5.4%	+	6.8%
Births to Unwed Mothers	20.8%	+	22.0%
Plural Births	2.2%	+	2.1%
First Child	40.9%	N	41.3%
Deliveries by Unlicensed Attendant	0.5%	-	0.6%
Births at Home	1.6%	N	1.0%

[1] - = decreasing, + = increasing, N = no change.

[2] Birth and fertility rates are for 1987; other US Data are for 1986.

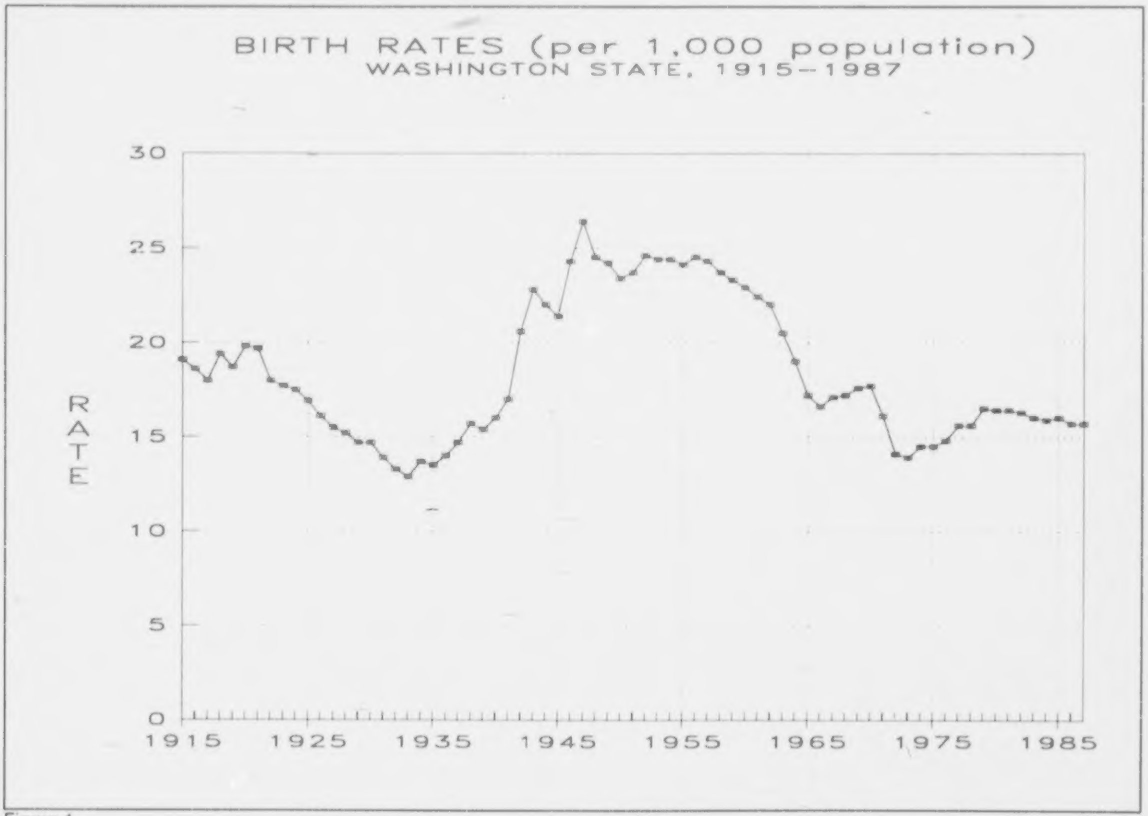


Figure 1

Is Washington State Meeting 1990 Goals?

1990 Goals, Washington State and US Compared

	Washington State		United States	
	Current[1]	Projected 1990	Current[2]	1990 Goal
Family Planning				
Teen Birth Rate (per 1,000 girls in each age group)				
15 year olds	9.7	10	13.7	10
16 year olds	22.4	22	29.7	25
17 year olds	42.7	44	50.6	45
Infant and Maternal Health				
Percent Low Birth Weight (2,500 grams or less)				
All Births	5.4	5	6.8	5
White	4.9	5	5.6	9
Black	10.2	11	12.5	9
American Indian	6.5	7	6.1	9
Other	6.8	6	6.4	9
Maternal Mortality Rate (per 100,000 births)				
All Births	6.7	5	7.2	5
White	5.5	5	4.9	5
Black	19.9	10	18.8	5
Improved Services				
Percent Beginning Prenatal Care after 1st Trimester				
All Births	22.8	24	24.1	10
White	20.6	22	20.8	10
Black	36.5	36	38.4	10
American Indian	37.4	38	40.0	10

[1] Birth weight and prenatal care data are for 1987; other data are for 1985-1986.
[2] Teen data are for 1985; other US data are for 1986.

Areas of Concern

- Increase in birth rates for 15 year-olds (although goals will probably be met).
- Possible increase in proportion of low birth weight infants (although goals will still be met for all but Blacks).
- High maternal mortality rates for Blacks.
- High levels of late care, especially for Non-Whites.

1987 Mortality at a Glance

Washington State 1987

Item	Data	Trend[2]	Comparable US Data[3]
Number of Deaths	34,967	+	
Death Rate (deaths per 1,000 population)	7.8	+	8.7
Five Leading Cause[1] Death Rates (deaths per 100,000 population)			
Diseases of the Heart	254.3	-	313.4
Malignant Neoplasms	183.2	+	196.1
Cerebrovascular Disease	59.2	-	61.3
Chronic Obstructive Pulmonary Disease	38.8	+	32.2
All Accidents	37.7	-	39.0

[1] Mortality Table 1 gives International List Numbers (ICD-9 codes) for these causes.

[2] - = decreasing, + = increasing, N = no change.

[3] Rates by cause are provisional, based on a ten percent sample.

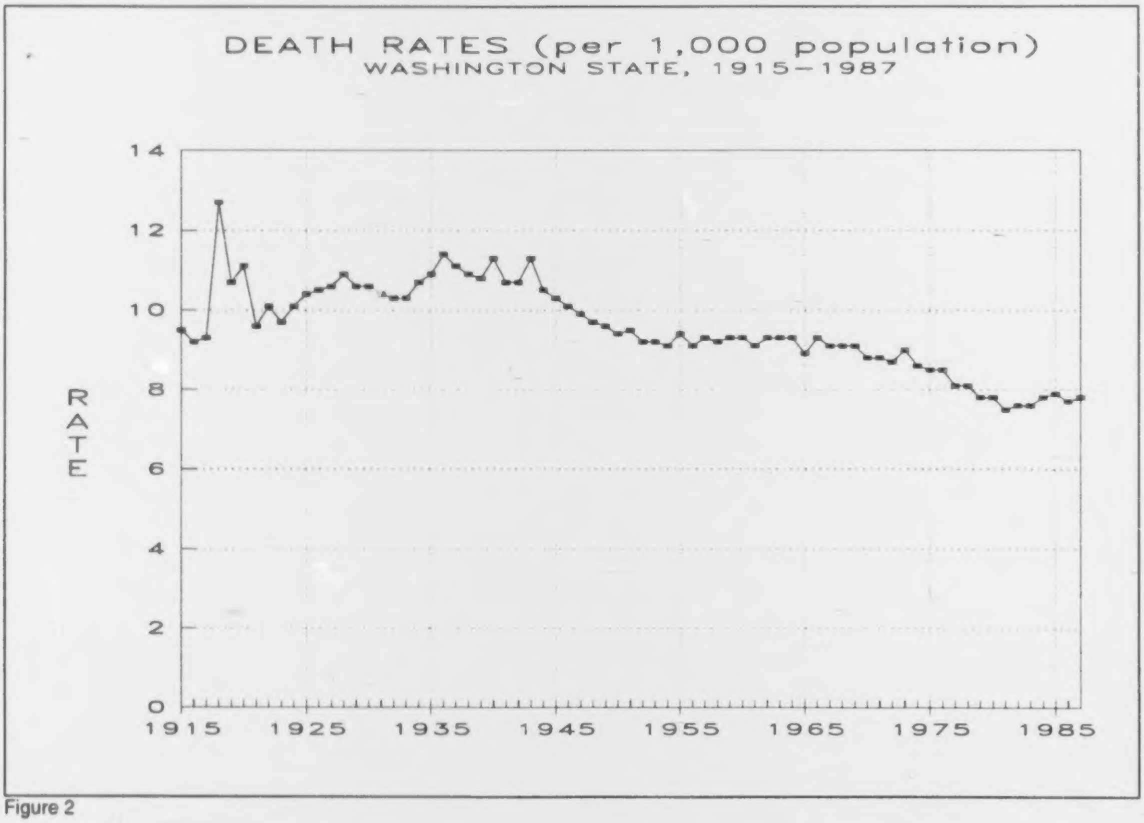


Figure 2

Is Washington State Meeting 1990 Goals?

1990 Goals, Washington State and US Death Rates[1] Compared

	Washington State		United States	
	Current[2]	Projected 1990	Current[3]	1990 Goal
General Health				
Ages 1-14	33.3	32	33.3	34.0
15-24	100.5	95	102.1	92.0
25-64	341.9	320	423.2	400.0
Injury Prevention				
Motor Vehicle Accidents	18.8	17	20.1	18.0
Children under 15	7.4	7	7.0	5.5
Home Accidents				
Children under 15	5.4	5	4.8	5.0
Falls	5.6	5	5.0	2.0
Drowning	2.6	2	1.8	1.5
Stress and Violent Behavior				
Suicide: Ages 15-24	17.6	17	12.8	11.0
Male	27.7	28	19.9	11.0
Female	6.8	5	5.1	11.0
Alcohol Abuse				
Cirrhosis of the Liver	9.2	9	10.7	12.0
White	9.3	9	10.7	12.0
Black	11.8	12	12.8	12.0
American Indian	19.1	17	Not Available	12.0

[1] Rates based on deaths/100,000 population in group.

[2] Data Years: Ages 1-24, home and motor vehicle accidents, suicides (1986-87); all others (1987).

[3] Data Years: Home accidents, falls, drowning, sex-specific suicide rates (1985); race-specific cirrhosis rates (1986); ages 15-24, total suicides (1986-87); all others (1987).

Areas of Concern

- High motor vehicle accident death rates for children under 15.
- High death rates from falls and drowning for the general population.
- High suicide rates for the 15-24 age group, especially for males.
- High (though decreasing) Indian cirrhosis death rates; possibly increasing Black cirrhosis death rates.

1987 Infant Mortality at a Glance

Washington State 1987

Item	Data	Trend[2]	Comparable US Data[3]
Number of Infant Deaths	681	N	
Infant Death Rate (deaths per 1,000 live births)			
All Infant Deaths	9.7	N	10.0
Neonatal (0-27 days)	5.2	N	6.4
Postneonatal (28 days - 1 year)	4.5	N	3.5
Leading Cause[1] Death Rates (deaths per 100,000 population)			
Certain Causes of Mortality in Early Infancy	232.1	N	362.7
Sudden Infant Death Syndrome (SIDS)	259.2	N	116.1
Congenital Anomalies	217.9	N	207.0
Birth Injury and Anoxia	133.9	N	116.9

[1] Mortality Table 12 gives International List Numbers (ICD-9 codes) for these causes.

[2] - = decreasing, + = increasing, N = no change.

[3] Rates by cause are provisional, based on a ten percent sample.

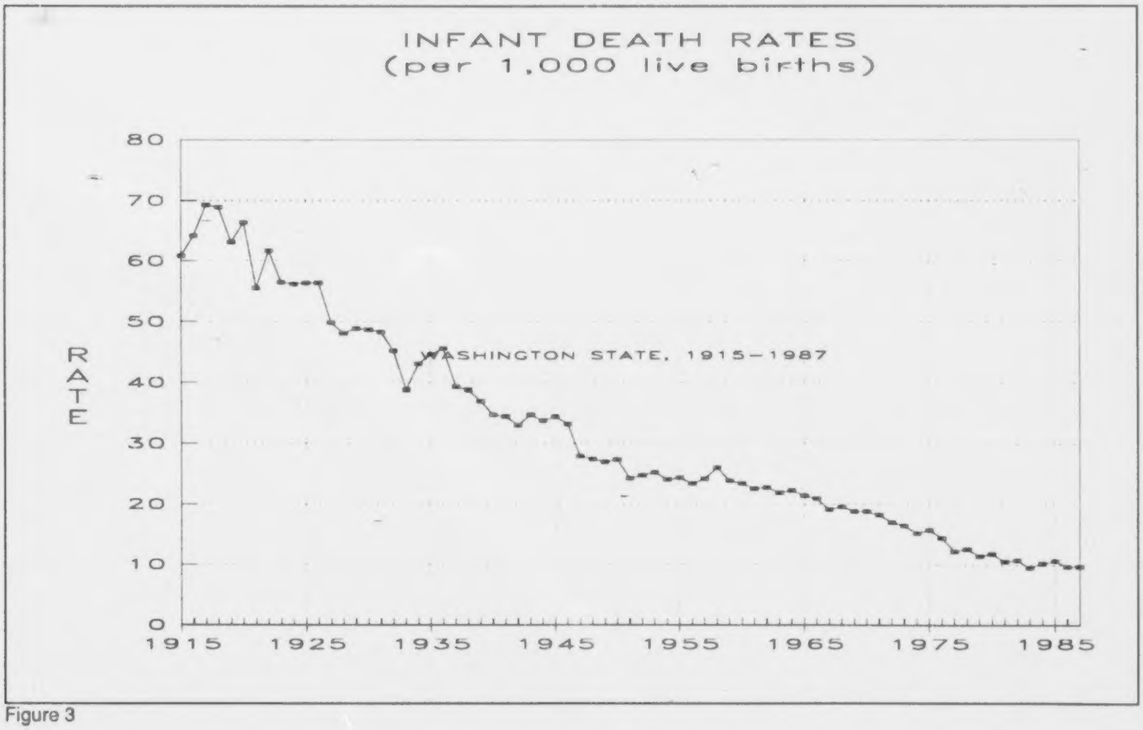


Figure 3

Is Washington State Meeting 1990 Goals?

1990 Goals, Washington State and US Infant Death Rates Compared

	Washington State		United States	
	Current[1]	Projected 1990	Current[2]	1990 Goal
All Infant Deaths	9.7	10	10.0	9.0
Neonatal Deaths	5.2	5	6.5	6.5
Postneonatal Deaths	4.5	5	3.4	2.5
Racial Groups				
White	9.6	10	8.9	12.0
Black	14.5	14	18.0	12.0
American Indian	11.5	10	9.5	12.0

[1] Race-specific mortality rates are for 1986-87; other data are for 1987.

[2] White and Black mortality rates are for 1986; Indian rates are for 1985; other US figures are for 1987.

Areas of Concern

- High postneonatal death rates. This is a major concern. Washington State has the sixth highest postneonatal mortality rate in the nation. Much of the postneonatal mortality is due to Sudden Infant Death Syndrome (SIDS). Washington State's SIDS death rates are considerably higher than US rates (see previous page).
- High Black infant mortality rates.

1987 Fetal Mortality at a Glance

Washington State 1987

Item	Data	Trend[1]	Comparable US Data[2]
Number of Fetal Deaths	411	-	
Fetal Death Ratio (deaths per 1,000 live births)	5.8	-	7.3

[1] - = decreasing, + = increasing, N = nochange.

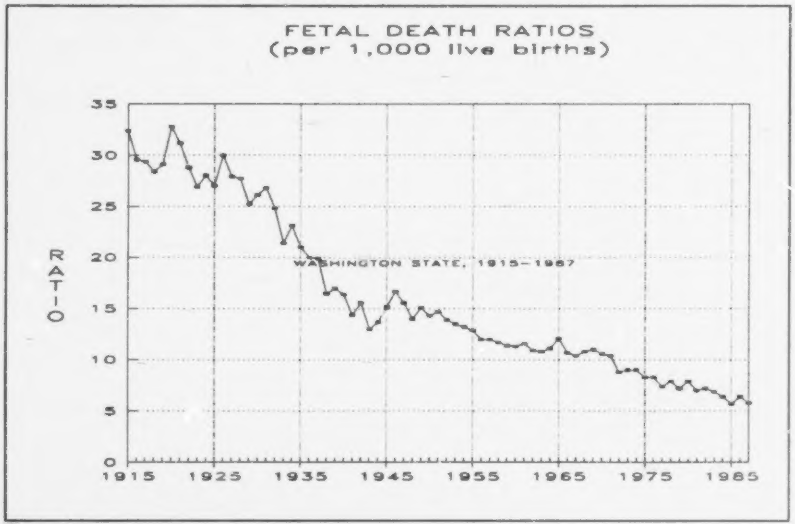


Figure 4

Is Washington State Meeting 1990 Goals?

1990 Goals, Washington State and US Fetal Death Rates Compared

	Washington State		United States	
	Current	Projected 1990	Current	1990 Goal
Perinatal Death Rate[1] (deaths per 1,000 live birth)	8.4	8	10.8	5.5

[1] Perinatal deaths include late fetal deaths (28+ weeks) plus early neonatal deaths (less than 7 days). Rates published elsewhere in this report include feal deaths of 20+ weeks gestation.

Areas of Concern

- Perinatal mortality rates above the goal. The goal appears to be lower than the neonatal goal alone and may thus be unrealistic.

Induced Terminations of Pregnancy

Introduction

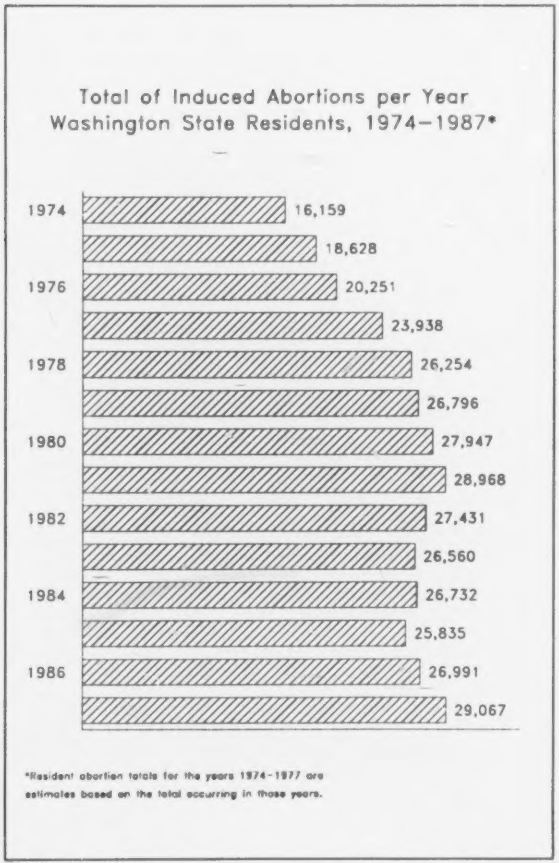
Abortion surveillance has been conducted by State public health officials since December, 1970. Induced abortion had become a legally allowable procedure in Washington State the previous month, when the then existing criminal abortion statute was overturned by referendum. The new law, which had some restrictions, was later superceded by United States Supreme Court decision in Roe v. Wade (1973).

Initially, the purpose of the abortion reporting system was to evaluate the safety and adequacy of procedures. The data are also important for assessment in two other areas of public health concern: 1) prevention of unwanted pregnancies and 2) access to abortion services. Trends pertinent ~~to~~ each of these issues are illustrated in graphs and by map on this and the following pages. In addition, both state and county data are arrayed in the Induced Terminations of Pregnancy chapter of the tables section.

All the usual problems of data collection—underreporting, incompleteness, and inaccuracy—impose qualifications on any conclusions. See the Technical Notes, Appendices A and B, in this report for more detail on reporting problems and definitional issues.

Overview

The totals for both Washington State resident abortions and abortion occurrences increased in 1987—from 26,991 to 29,067 (7.7%) and from 27,947 to 30,172 (8.0%), respectively.



*Resident abortion totals for the years 1974-1977 are estimates based on the total occurring in those years.

Figure 5

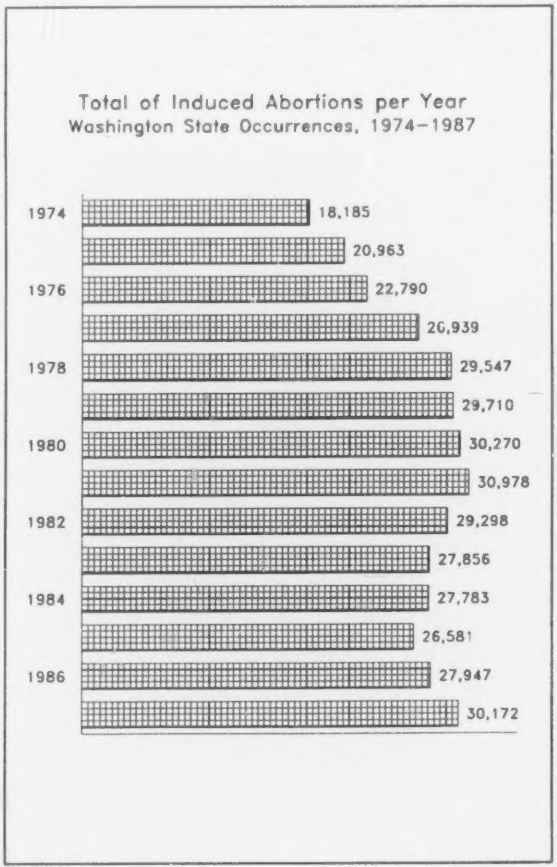


Figure 6

Although change took place across nearly all age groups, there were both absolute and proportionate differences in age groups among both residents and occurrences.

The greatest proportional change within any one age group for induced terminations occurring in the State was in those aged 40-44 (+38%). The greatest differences in raw figures were for 25-29 year-olds (+495) and 20-24 year olds (+490).

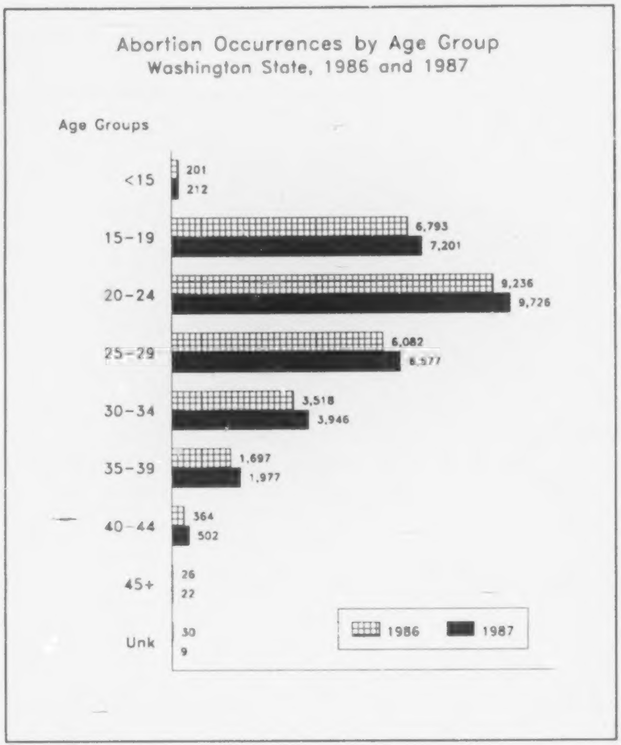


Figure 7

Among residents, the greatest percentage gain was again among those 40-44 years old (+26%) and the greatest absolute difference was in the 20-24 age group (+505).

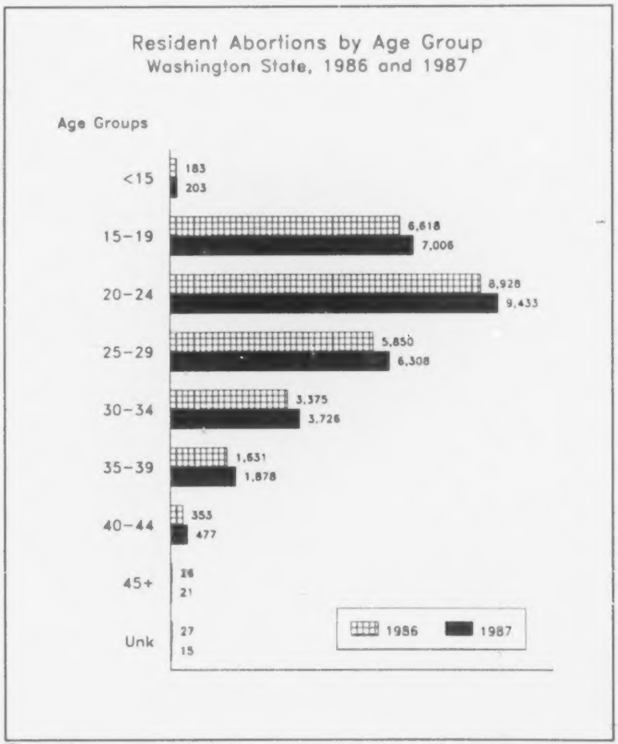


Figure 8

Mortality

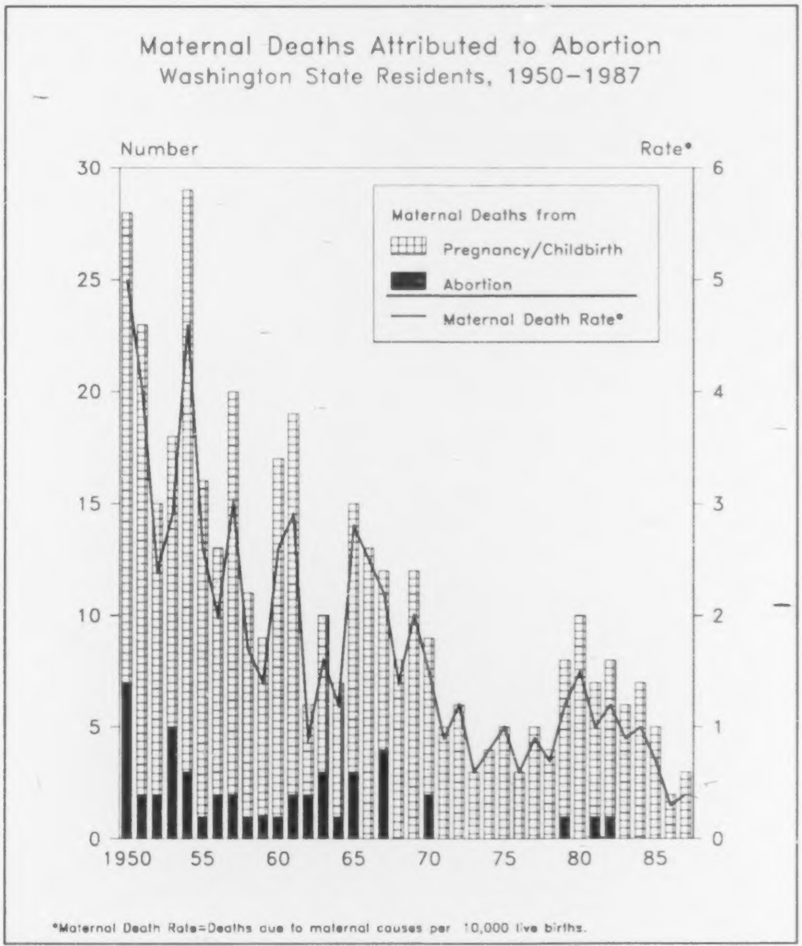


Figure 9

Trends in abortion related mortality show that abortion has been nearly eliminated as a contributing factor in maternal deaths. Maternal deaths are deaths to women which are a result of complications of pregnancy or occur within six weeks of either live birth or abortive outcome. The maternal death rate is equal to the number of these deaths per 10,000 live births.

The data illustrated in the chart above do not differentiate between legal and illegal abortions. The two deaths in 1970 took place prior to the passage of the referendum in that year. The three deaths which occurred in the years following 1970 were the result of complications—one each, from: a legally induced abortion procedure (performed as a consequence of IUFD, intrauterine fetal demise) in 1979, a self-induced abortion in 1981, and a spontaneous abortion in 1982.

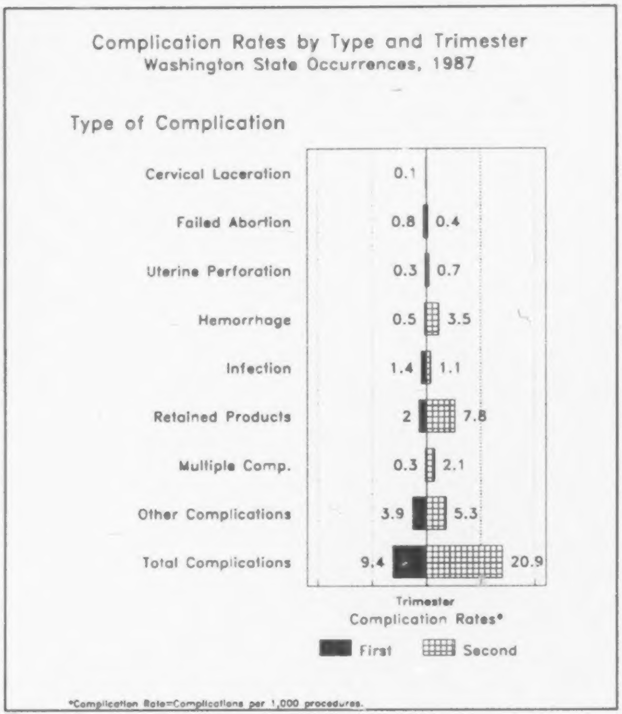
Nationally, the death-to-case rate, that is the number of deaths per 100,000 legally induced abortions, was 0.8 in 1983, 0.8 in 1984, and provisionally 0.5 in 1985.[1]

[1] United States Department of Health and Human Services, Centers for Disease Control, Center for Chronic Disease, Prevention, and Health Promotion, Division of Reproductive Health, Abortion Statistics, U.S. 1984-1985 (Prerelease to State Health Agencies, 1989). Atlanta, GA: 1989.

Morbidity

Typically, second trimester abortions have a higher complication rate than first trimester terminations. It should be noted that the division between first and second trimester is somewhat arbitrary at twelve weeks and complications are not always completely reported for either semester. (See Technical Notes, Appendix B, in this report.)

Retained products was the most frequently reported complication in either trimester in 1987. Some complications, e.g. infection, may be artificially low due to the completion of reporting forms before the complication is known.

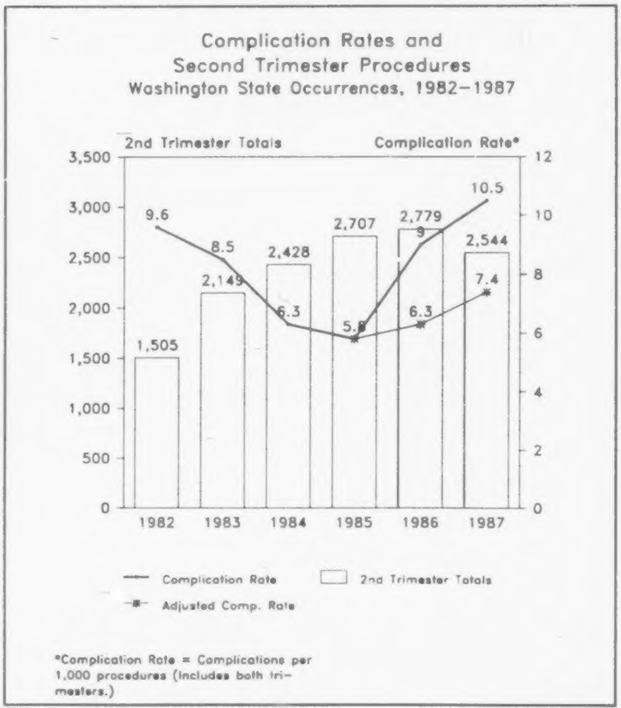


*Complication Rate=Complications per 1,000 procedures.

Figure 10

In December, 1982 the abortion law was liberalized to allow second trimester procedures in approved nonhospital facilities. This factor and improved reporting may account for some of the rise in second trimester abortions that has occurred since 1983. In 1987, the number of second trimester procedures declined for the first time since 1982.

The 1987 complication rates in Figure 11 include 95 cases of minor complications reported under "other complications." Reports of "unexplained pain" and "hemorrhage less than 500cc." form 75% of the "other complications" category. Prior to 1986, such complications were suppressed before publication. This accounts for most of the increase in the complication rate.

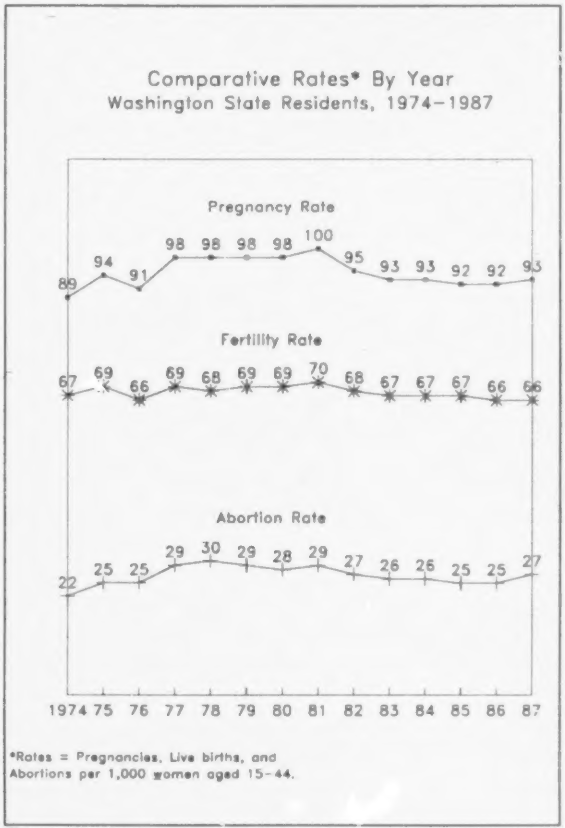


*Complication Rate = Complications per 1,000 procedures (Includes both trimesters.)

Figure 11

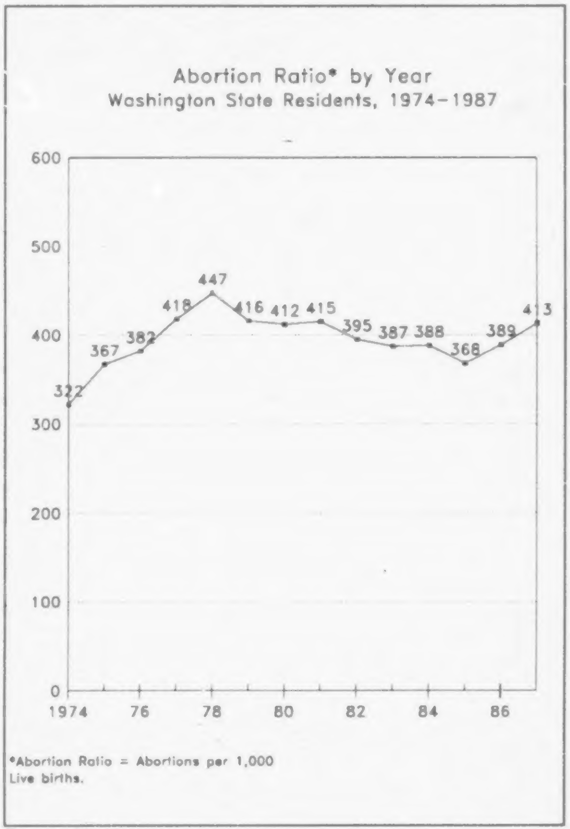
Rates and Ratios

Pregnancy, abortion, and fertility rates and the abortion ratio are statistical indicators frequently used to assess need and efficacy of programs for the prevention of unwanted pregnancy. In 1987, the abortion rate (abortions per 1,000 women aged 15-44) for Washington State residents rose for the first time in six years to 27, up two points over the 1986 rate. A look at pregnancy, fertility, and abortion rates over the past eleven years, however, shows that all the rates are lower in the most recent six (1982-1987) than they were in the earlier five (1977-1981). A similar pattern is shown by the abortion ratio.


Comparative Rates* By Year
Washington State Residents, 1974–1987

*Rates = Pregnancies, Live births, and Abortions per 1,000 women aged 15-44.

Figure 12

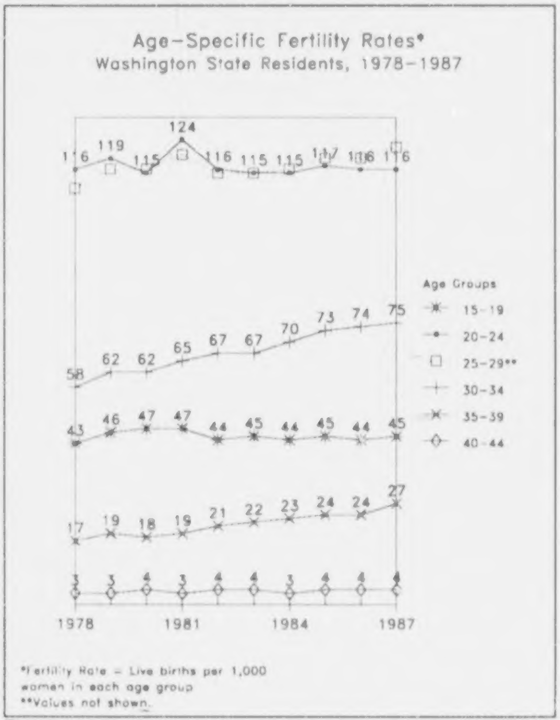

Abortion Ratio* by Year
Washington State Residents, 1974–1987

*Abortion Ratio = Abortions per 1,000 Live births.

Figure 13

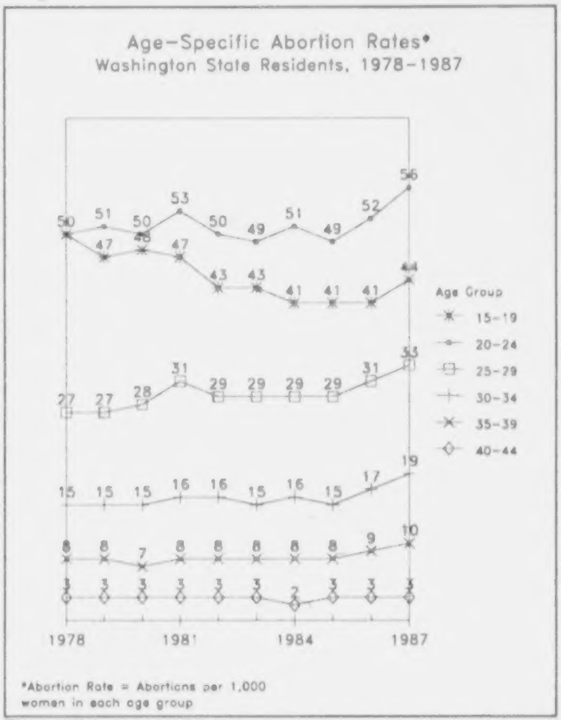
Abortion rates can be affected by either or both a change in the number of women getting pregnant (expressed mathematically by the pregnancy rate) or by the number of pregnant women choosing abortion (expressed indirectly by abortion ratios). In 1987, an increase in the abortion ratio of 6.2% was enough when coupled with a one point rise in the pregnancy rate to have an appreciable affect on the abortion rate. There was no change in the state's fertility rate over the previous year.

The three age-specific charts on the following page show age group differences in abortion ratios and abortion and fertility rates. Since 1978, the greatest change within individual age groups has been in fertility rates among 35-39 year-olds and 30-34 year-olds (+37% and +29%, respectively). In the same ten years, the 15-19 year-olds were the only age group to show a decline in either rate, exhibiting a 12% decrease in their abortion rate.


Age-Specific Fertility Rates*
Washington State Residents, 1978-1987

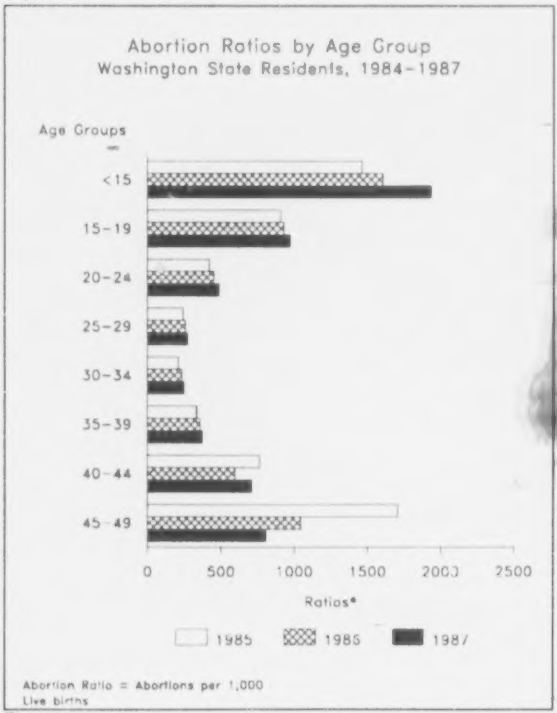
*Fertility Rate = Live births per 1,000 women in each age group
**Values not shown.

Figure 14


Age-Specific Abortion Rates*
Washington State Residents, 1978-1987

*Abortion Rate = Abortions per 1,000 women in each age group

Figure 15


Abortion Ratios by Age Group
Washington State Residents, 1984-1987

Abortion Ratio = Abortions per 1,000 Live births

Figure 16

An examination of abortion ratios over the past three years by age groups reveals increases in all but the oldest age groups (40-44 years of age and 45 and older).*

The figures on the next two pages illustrate the abortion and fertility rates by county for women aged 15-44 (Figure 17) and 15-17 (Figure 18). In addition, each chart shows the counties ranked by a third variable—abortion ratio and pregnancy rate, respectively. These variables were chosen for ranking based on their ability to reveal a discernable pattern in each chart and the pertinence to prevention of unwanted pregnancies each variable has for each age group. (The highest levels for these variables are at the top of each chart.)

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*It should be understood that abortion ratios are more mercurial than rates because they are based on smaller divisors—small differences in total events can make large differences in the ratios from year to year. Furthermore, differences can be compounded. If total pregnancies remain the same, an increase in live births automatically creates a decrease in abortions or vice versa; thereby, doubling the effect on an abortion ratio.

The figure below shows county abortion and fertility rates and ranking by abortion ratio.

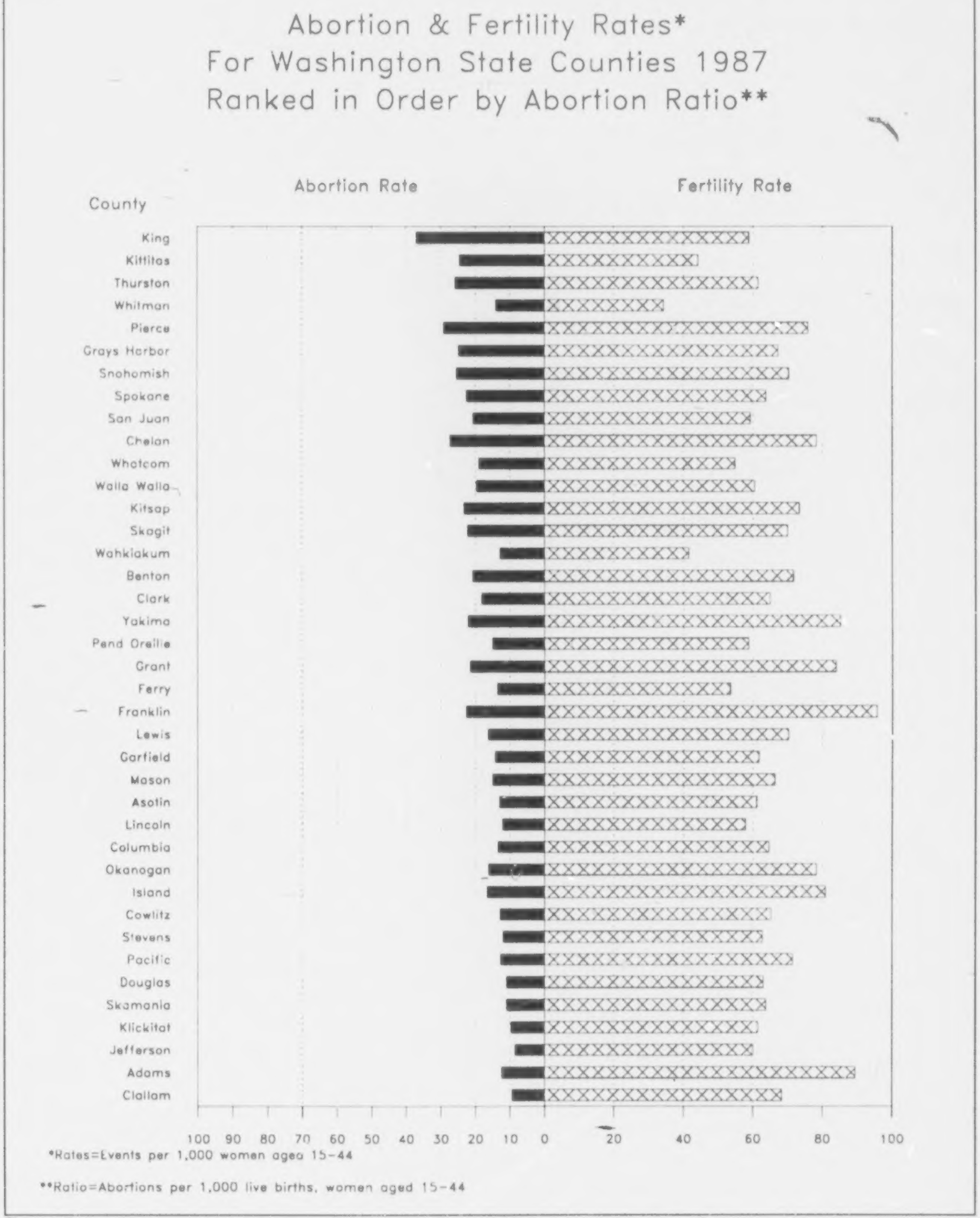
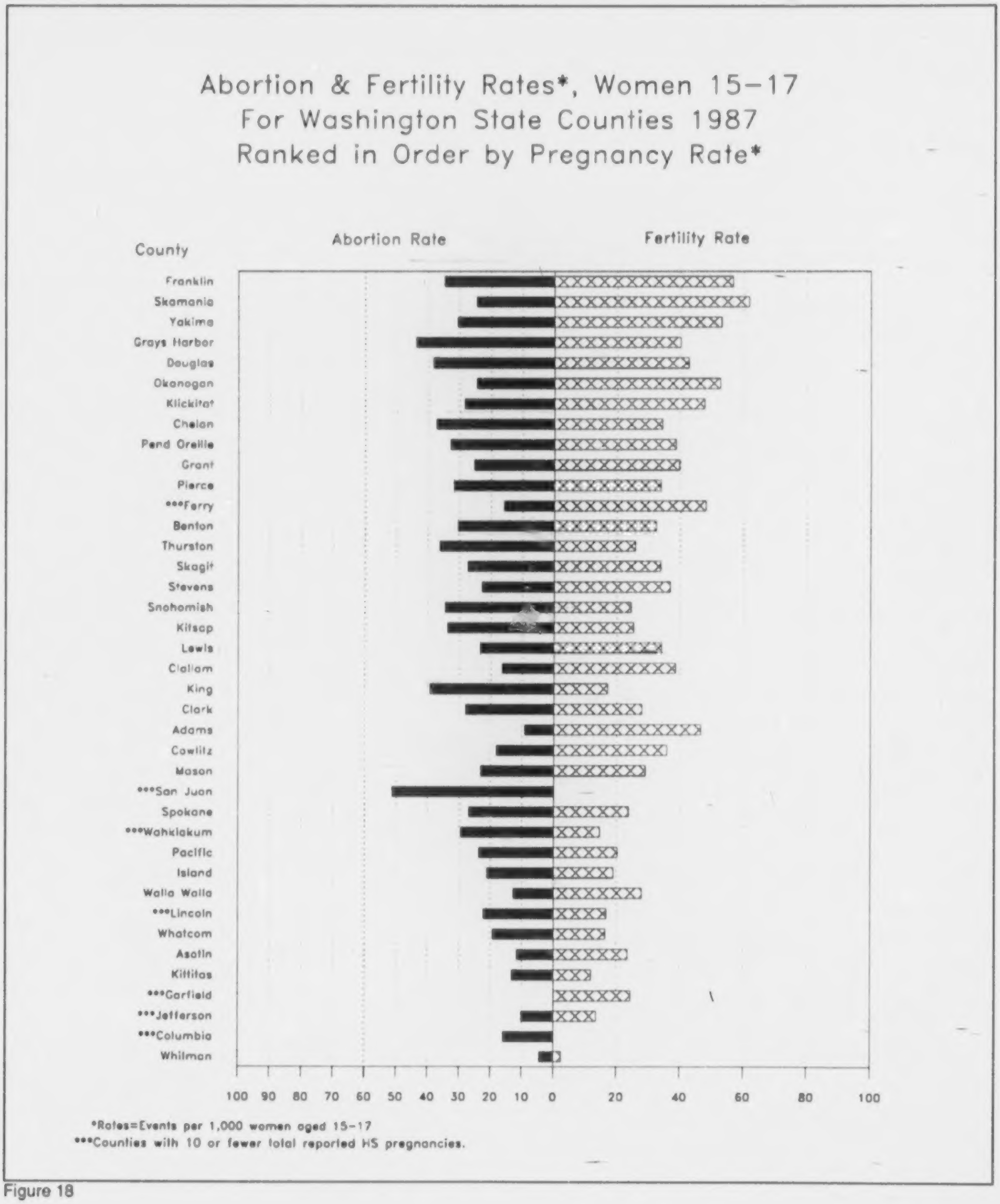


Figure 17

The chart on this page illustrates fertility and abortion rates for 15-17 year-olds in the 39 counties and ranks them by pregnancy rate for this age group. Some counties have very small populations of high-school-age women. For these counties, a small number of pregnancies in this age group often formulates a comparatively high rate. In these instances, data for several years should be examined. Seven counties (Columbia, Ferry, Garfield, Jefferson, Lincoln, San Juan, and Wahkiakum) had a total of ten or fewer pregnancies among high school age women.



Abortion & Fertility Rates*, Women 15–17
For Washington State Counties 1987
Ranked in Order by Pregnancy Rate*

*Rates=Events per 1,000 women aged 15–17
***Counties with 10 or fewer total reported HS pregnancies.

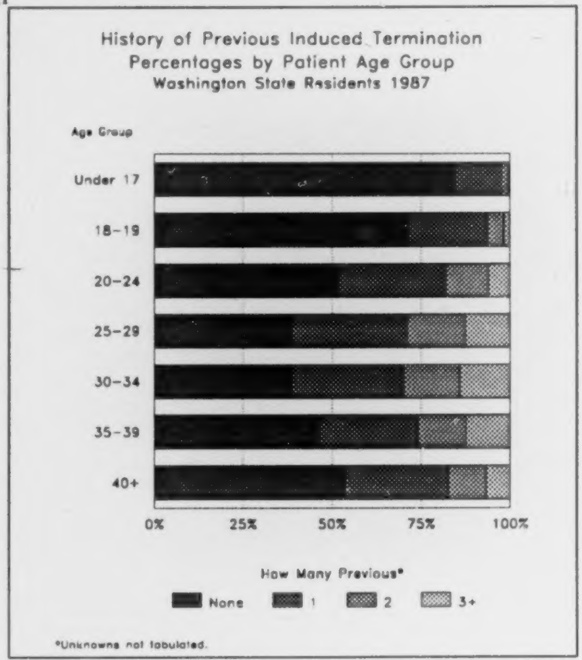
Figure 18

Repeat Abortion

Repeat abortion is the commonly used term for cases with a patient history of one or more previous induced termination. Besides failure to take precautions to prevent pregnancy, there are a myriad of possible reasons, for a history of a repeat abortion (or for obtaining any abortion, for that matter), e.g., contraceptive failure, fetal or maternal health problems, changes in economic, social, or psychological circumstances, incest, and/or rape.[2] Adding to the complexity, many patients with a history of previous termination also show a history of one or more previous live births. No data is collected by the Washington State Abortion Reporting System on patients' use of contraceptives or reasons for choosing abortion.

Pregnancy history has been collected by the Abortion Reporting Form since 1981. Comparisons by age group should reflect an awareness of two countervailing factors at work in age-specific data on repeat abortion: 1)Older women are more at risk for repeat abortion because chances of a previous abortion is a function of age, and 2) Younger women are more at risk for repeat abortion because abortion has been legal for a longer proportion of their lives.

Figure 19 portrays the percentage of previous induced terminations by age. Unknowns were not tabulated. They approximate six to nine percent each year in each age group.

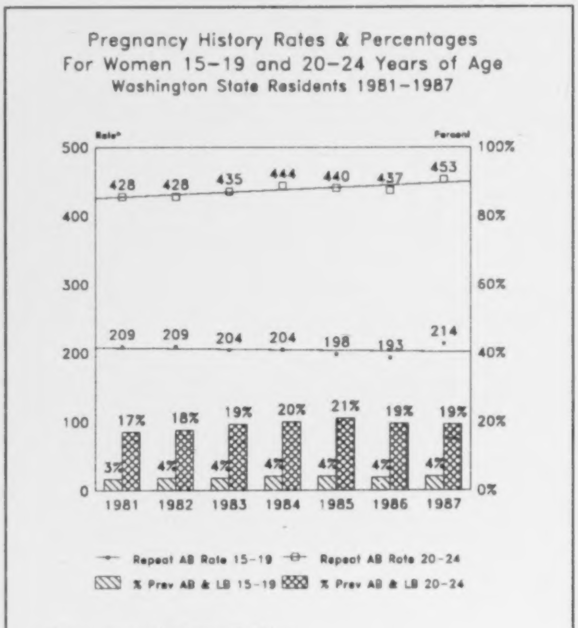


*Unknowns not tabulated.

Figure 19

Figure 20 shows the trends in repeat abortion rates for women aged 15-19 and 20-24 and the percentage of previous live births in patient histories of previous abortion for these same age groups. The trendline for the repeat abortion rate (repeat abortions per 1,000 procedures) for the younger age group has remained nearly flat. (Slope = -0.82; Corr = -0.25). For 20-24 year-olds, it shows a slight by moderately steady increase over the seven years. (Slope = +7.35; Corr = +0.82). Both age groups contain a fairly consistent proportion of patients with a history of both a previous abortion and a previous live birth.

This year repeat abortions by patient's age by county of residence are arrayed in the tables section of this report.



*Rate = Number of patients with history of previous abortion per 1,000 procedures, excluding unknowns.

Figure 20

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[2] See Aida Torres and Jacqueline Darroch Forrest. "Why Do Women Have Abortions?" Family Planning Persepectives, July/August 1988.

Access to Care

In the past six years, there has been a reduction in abortion service providers. From 1982 to 1987 the total number of facilities declined 15. Three were among those reporting fewer than 10 procedures; seven, between 10 and 49; and five, 50 or more. Since there has not been a corresponding drop in the number of abortions provided, the effect of this decline has been an increased concentration of patient load among fewer providers.

The map below depicts abortion services for counties with populations of 10,000 or more women between the ages of 15 and 44. Seven of these larger counties (Benton, Chelan, Cowlitz, Grays Harbor, Kitsap, Lewis, and Walla Walla) have no providers within their boundaries although all are adjacent to counties which do.

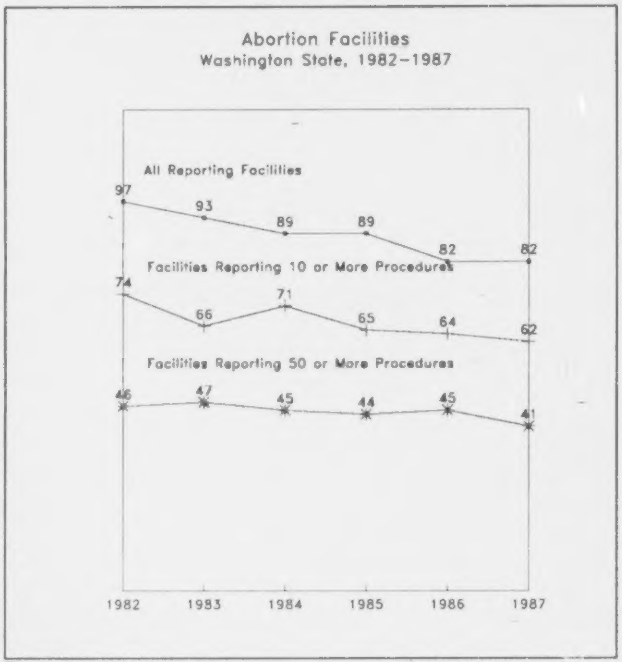
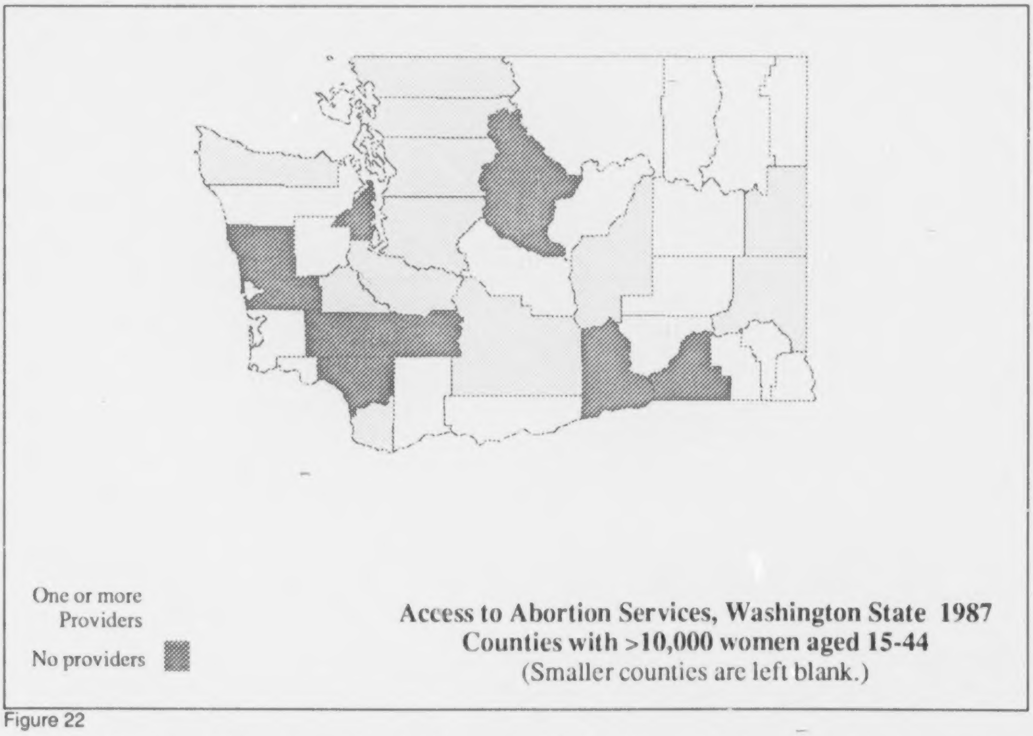


Figure 21



Access to Abortion Services, Washington State 1987
Counties with >10,000 women aged 15-44
(Smaller counties are left blank.)

Figure 22

A decline in health care providers is always a public health concern because of the increased potential for adverse effects on patient health. Thus, in addition, to the ongoing concern regarding safety of procedure, attention must remain focused on maintaining access to care, as well as, prevention of the conditions which necessitate that care—in this case, that is—unwanted pregnancy.

TABLES

Summary of the Number of Live Births, Deaths, Infant Deaths, Maternal Deaths, and Fetal Deaths, with Rates
Washington State 1920-1987

Year	Population	Live Births		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
		Number	Rate[1]	Number	Rate[1]	Number	Rate[2]	Number	Rate[3]	Number	Ratio[2]
1920	1,367,000	27,072	19.8	15,164	11.1	1,797	66.4	249	92.0	888	32.8
1921	1,385,700	27,267	19.7	13,254	9.6	1,512	55.5	192	70.4	852	31.2
1922	1,407,100	25,378	18.0	14,249	10.1	1,566	61.7	190	74.9	731	28.8
1923	1,427,300	25,259	17.7	13,856	9.7	1,428	56.5	159	62.9	680	26.9
1924	1,447,200	25,378	17.5	14,580	10.1	1,426	56.2	167	65.8	711	28.0
1925	1,467,600	24,741	16.9	15,280	10.4	1,395	56.4	140	56.6	667	27.0
1926	1,487,600	23,989	16.1	15,670	10.5	1,352	56.4	174	72.5	719	30.0
1927	1,507,800	23,315	15.5	15,950	10.6	1,162	49.8	151	64.8	650	27.9
1928	1,528,200	23,161	15.2	16,723	10.9	1,115	48.1	175	75.6	641	27.7
1929	1,548,400	22,685	14.7	16,413	10.6	1,110	48.9	150	66.1	572	25.2
1930	1,568,000	23,019	14.7	16,678	10.6	1,122	48.7	148	64.3	601	26.1
1931	1,585,000	22,028	13.9	16,524	10.4	1,064	48.3	141	64.0	591	26.8
1932	1,602,500	21,379	13.3	16,581	10.3	967	45.2	139	65.0	530	24.8
1933	1,619,700	20,882	12.9	16,705	10.3	811	38.8	140	67.0	446	21.4
1934	1,636,900	22,484	13.7	17,456	10.7	968	43.1	105	46.7	520	23.1
1935	1,654,000	22,378	13.5	18,046	10.9	998	44.6	120	53.6	469	21.0
1936	1,671,400	23,354	14.0	19,057	11.4	1,064	45.6	115	49.2	468	20.0
1937	1,689,100	24,882	14.7	18,771	11.1	978	39.3	118	47.4	495	19.9
1938	1,706,000	26,702	15.7	18,514	10.9	1,035	38.8	94	35.2	440	16.5
1939	1,723,400	26,471	15.4	18,528	10.8	977	36.9	97	36.6	450	17.0
1940	1,752,400	27,952	16.0	19,837	11.3	969	34.7	89	31.8	459	16.4
1941	1,816,700	30,916	17.0	19,359	10.7	1,065	34.4	66	21.3	445	14.4
1942	1,880,700	38,744	20.6	20,190	10.7	1,278	33.0	78	20.1	606	15.6
1943	1,945,000	44,258	22.8	22,017	11.3	1,534	34.7	72	16.3	575	13.0
1944	2,009,600	44,246	22.0	21,144	10.5	1,493	33.7	72	16.3	607	13.7
1945	2,073,600	44,296	21.4	21,292	10.3	1,523	34.4	79	17.8	672	15.2
1946	2,137,600	51,941	24.3	21,620	10.1	1,723	33.2	65	12.5	869	16.7
1947	2,202,400	58,230	26.4	21,763	9.9	1,630	28.0	59	10.1	907	15.6
1948	2,266,400	55,460	24.5	21,925	9.7	1,525	27.5	36	6.5	776	14.0
1949	2,331,000	56,433	24.2	22,420	9.6	1,526	27.0	36	6.4	850	15.1
1950	2,378,963	55,755	23.4	22,450	9.4	1,526	27.4	28	5.0	799	14.3
1951	2,444,000	57,994	23.7	23,300	9.5	1,412	24.3	23	4.0	852	14.7
1952	2,496,100	61,436	24.6	22,874	9.2	1,522	24.8	15	2.4	857	13.9
1953	2,528,200	61,571	24.4	23,279	9.2	1,556	25.3	18	2.9	834	13.5
1954	2,566,000	62,703	24.4	23,238	9.1	1,514	24.1	29	4.6	829	13.2
1955	2,586,100	62,290	24.1	24,410	9.4	1,520	24.4	16	2.6	806	12.9

Year	Population	Live Births		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
		Number	Rate[1]	Number	Rate[1]	Number	Rate	Number	Rate[3]	Number	Ratio[2]
1956	2,651,900	64,999	24.5	24,207	9.1	1,524	23.4	13	2.0	777	12.0
1957	2,712,700	65,982	24.3	25,140	9.3	1,596	24.2	20	3.0	793	12.0
1958	2,767,900	65,574	23.7	25,429	9.2	1,707	26.0	11	1.7	764	11.7
1959	2,819,000	65,729	23.3	26,229	9.3	1,570	23.9	9	1.4	749	11.4
1960	2,853,214	65,251	22.9	26,505	9.3	1,528	23.4	17	2.6	738	11.3
1961	2,897,000	65,013	22.4	26,353	9.1	1,467	22.6	19	2.9	756	11.6
1962	2,948,000	64,812	22.0	27,343	9.3	1,476	22.8	6	0.9	704	10.9
1963	2,972,000	61,013	20.5	27,550	9.3	1,339	21.9	10	1.6	657	10.8
1964	3,008,000	57,148	19.0	28,106	9.3	1,277	22.3	7	1.2	637	11.1
1965	3,065,000	52,806	17.2	27,379	8.9	1,130	21.4	15	2.8	639	12.1
1966	3,125,000	51,777	16.6	29,035	9.3	1,084	20.9	13	2.5	554	10.7
1967	3,229,000	54,875	17.1	29,302	9.1	1,050	19.1	12	2.2	573	10.4
1968	3,329,000	57,206	17.2	30,360	9.1	1,120	19.6	8	1.4	620	10.8
1969	3,365,000	59,354	17.6	30,504	9.1	1,118	18.8	12	2.0	651	11.0
1970	3,409,169	60,499	17.7	29,901	8.8	1,135	18.8	9	1.5	640	10.6
1971	3,433,000	55,304	16.1	30,318	8.8	1,008	18.2	5	0.9	574	10.4
1972	3,418,800	48,250	14.1	29,747	8.7	805	17.0	6	1.2	428	8.8
1973	3,424,300	47,636	13.9	30,751	9.0	781	16.4	3	0.6	430	9.0
1974	3,448,100	50,096	14.5	29,773	8.6	763	15.2	4	0.8	450	9.0
1975	3,494,124	50,821	14.5	29,778	8.5	798	15.7	5	1.0	421	8.3
1976	3,571,600	53,004	14.8	30,275	8.5	765	14.4	3	0.6	439	8.3
1977	3,661,975	57,256	15.6	29,789	8.1	696	12.2	5	0.9	426	7.4
1978	3,774,294	58,725	15.6	30,469	8.1	737	12.6	4	0.7	465	7.9
1979	3,911,200	64,377	16.5	30,418	7.8	737	11.4	8	1.2	466	7.2
1980	4,130,163	67,857	16.4	32,012	7.8	798	11.8	10	1.5	533	7.9
1981	4,250,123	69,756	16.4	32,022	7.5	731	10.5	7	1.0	489	7.0
1982	4,264,000	69,529	16.3	32,309	7.6	744	10.7	8	1.2	501	7.2
1983	4,285,100	68,705	16.0	32,631	7.6	653	9.5	6	0.9	474	6.9
1984	4,328,100	68,947	15.9	33,788	7.8	704	10.2	7	1.0	444	6.4
1985	4,384,100	70,226	16.0	34,475	7.9	747	10.6	5	0.7	403	5.7
1986	4,419,700	69,431	15.7	34,166	7.7	675	9.7	2	0.3	445	6.4
1987	4,481,100	70,329	15.7	34,967	7.8	681	9.7	3	0.4	411	5.8

[1] Per 1,000 Population

[2] 1961-1969 population figures are revised estimates provided by the Office of Program Planning and Fiscal Management.

[3] 1979-1982 maternal death figures are revised totals based on studies conducted by the Health Data Unit.

NATALITY

Table 1
Live Births in Washington State by Selected Topics, 1987

A. Residence, Sex and Race

	Total	Male	Female	Unknown
Total	70,329	36,195	34,132	2
White	58,349	30,046	28,301	2
Black	3,471	1,750	1,721	
Mexican/Chicano	2,144	1,081	1,063	
American Indian	1,871	976	895	
Japanese	298	133	165	
Chinese	203	115	88	
Filipino	621	322	299	
Other Asian	2,572	1,356	1,216	
Other	20	13	7	
Unknown	780	403	377	

B. Residence, Mother's Age Group by Sex

	Total	Male	Female	Unknown
Total	70,329	36,195	34,132	2
Under 15	105	62	43	
15-17	2,477	1,242	1,235	
18-19	4,741	2,440	2,301	
20-24	19,324	9,907	9,417	
25-29	22,924	11,822	11,101	1
30-34	14,942	7,667	7,274	1
35-39	5,055	2,661	2,394	
40-44	671	347	324	
45 and Over	29	13	16	
Unknown	61	34	27	

C. Residence, Order of Birth to Mother

Total	Number	Percent
Total	70,329	100.0%[1]
1st Child	27,955	39.7
2nd Chld	23,178	33.0
3rd Child	10,932	15.5
4th Child	3,964	5.6
5th Child	1,343	1.9
6th Child	537	0.8
7th Child	247	0.4
8th Child	114	0.2
9th Child	68	0.1
10th or More	69	0.1
Unknown	1,922	2.7

D. Residence, Attendant at Birth

	Number	Percent
Total	70,329	100.0%[1]
MD	65,437	93.0
Osteopath	1,245	1.8
Licensed Midwife	725	1.0
Certified Midwife	1,939	2.8
Other Midwife	85	.1
Nurse	379	.5
Father/Mother	71	.1
Other	201	.3
Unknown	247	.4

E. Residence, Maternal Smoking

	Number	Percent
Total	70,329	100.0%[1]
Yes	16,617	23.6
No	49,693	70.7
Unknown	4,019	5.7

F. Residence, Multiple Live Births

Sets of Twins	737
Sets of Triplets	14

[1] Detail may not add to 100% due to rounding.

Table 1 (continued)
Live Births in Washington State by Selected Topics, 1987

G. Residence and Occurrence, Sex by Birth Weight in Grams

Grams	Residence				Occurrence			
	Total	Male	Female	Unknown	Total	Male	Female	Unknown
Total	70,329	36,195	34,132	2	69,346	35,662	33,682	2
1,000 and under	258	148	110		249	143	106	
1,001 - 1,500	326	164	162		324	172	152	
1,501 - 2,000	716	375	341		705	373	332	
2,001 - 2,500	2,454	1,139	1,315		2,401	1,116	1,285	
2,501 - 3,000	8,911	3,866	5,044	1	8,800	3,811	4,988	1
3,001 - 3,500	24,250	11,490	12,759	1	23,970	11,368	12,601	1
3,501 - 4,000	23,000	12,486	10,514		22,661	12,280	10,381	
4,001 - 4,500	8,257	5,131	3,126		8,125	5,036	3,089	
4,501 and over	1,888	1,251	637		1,842	1,219	623	
Unknown	269	145	124		269	269	125	

H. Residence and Occurrence, Live Births and Fetal Deaths by Month

Months	Live Births		Fetal Deaths	
	Residence	Occurrence	Residence	Occurrence
Total	70,329	69,346	411	413
January	5,366	5,297	43	44
February	5,231	5,170	43	42
March	6,022	5,943	34	34
April	6,163	6,074	42	40
May	6,225	6,142	38	39
June	6,138	6,033	30	30
July	6,300	6,193	35	36
August	6,125	6,051	20	20
September	5,967	5,879	29	30
October	5,763	5,694	35	35
November	5,346	5,275	31	32
December	5,683	5,595	31	31

Table 1 (continued)
Live Births in Washington State by Selected Topics, 1987

I. Occurrence, Method of Deleivery

Method	Total	Normal Labor	Induced Labor	Unknown
Total	69,346	61,146	2,472	5,728
Vaginal Delivery	42,133	40,361	1,772	
Primary C-Section	8,365	8,074	291	
Repeat C-Section	4,946	4,920	26	
Vacuum Extraction	2,572	2,460	112	
Outlet Forceps	4,588	4,357	231	
Vaginal Delivery After Previous C-Secton	571	547	24	
Other	443	427	16	
Unknown	5,728			5,728

J. Occurrence, Type of Place

Type of Place	Number	Percent
Total	69,346	100.0%[1]
General Hospital	63,628	91.8
Federal Facility	4,085	5.9
Home	1,125	1.6
Birth Center	239	0.3
Born On Arrival	68	0.1
Other and Unknown	201	0.3

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[1] Detail may not add to 100% due to rounding.

S00310D-HBI

Table 2

Live Births by Race by Birth Weight, Washington State Residents 1987

Birth Weight in Grams	Total	White	Black	Mexican/ Chicano	American Indian	Japanese	Chinese	Filipino	Other Asian	Other	Unknown
State Total	70,329	58,349	3,471	2,144	1,871	298	203	621	2,572	20	780
1,000 And Under	258	201	31	3	2	1		3	14		3
1,001 - 1,500	326	241	37	7	14	1	1	3	19	1	2
1,501 - 2,000	716	553	73	13	25	3	1	4	32		12
2,001 - 2,500	2,454	1,884	213	74	80	7	7	38	117	1	33
2,501 - 3,000	8,911	6,953	683	280	240	34	37	125	462	4	93
3,001 - 3,500	24,250	19,722	1,300	823	640	145	90	250	1,024	5	251
3,501 - 4,000	23,000	19,635	887	676	606	87	52	151	670	5	231
4,001 - 4,500	8,257	7,318	196	207	196	18	10	39	178	4	91
4,501 And Over	1,888	1,647	45	58	63	2	3	7	46		17
Not Stated	269	195	6	3	5		2	1	10		47

S00310C-HBI

Table 3

Live Births by Mother's Age by Birth Weight, Washington State 1987

Birth Weight in Grams	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Total	70,329	105	2,477	4,741	19,324	22,924	14,942	5,055	671	29	61
1,000 and Under	258	4	10	24	66	73	61	14	4	1	1
1,001 - 1,500	326		15	25	115	91	56	17	6		1
1,501 - 2,000	716	1	35	59	212	184	169	44	8		4
2,001 - 2,500	2,454	7	109	211	702	722	493	184	24		2
2,501 - 3,000	8,911	21	421	729	2,640	2,796	1,662	554	73	6	9
3,001 - 3,500	24,250	42	954	1,744	6,986	7,829	4,837	1,611	223	6	18
3,501 - 4,000	23,000	24	716	1,415	6,064	7,766	5,092	1,706	198	9	10
4,001 - 4,500	8,257	4	174	433	2,003	2,782	2,056	694	97	5	9
4,501 and Over	1,888	2	31	87	461	614	446	208	32	2	5
Not Stated	269		12	14	75	67	70	23	6		2

S02680A-HBI

Table 4

Live Births by Mother's Age by Month Prenatal Care Began

Month Prenatal Care Began	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Unknown
State Total	70,329	105	2,477	4,741	19,324	22,924	14,942	5,055	671	29	61
First	10,289	7	138	336	2,302	3,804	2,728	863	101	8	2
Second	26,243	13	487	1,103	6,571	9,514	6,249	2,041	231	5	29
Third	15,769	15	520	1,077	4,458	4,984	3,313	1,215	174	4	9
Fourth	6,559	16	373	710	2,170	1,812	1,070	352	48	5	3
Fifth	3,479	16	288	507	1,264	832	385	149	34	3	1
Sixth	2,100	8	193	304	744	496	260	76	18	1	
Seventh	1,325	5	151	211	464	303	137	49	4	1	
Eighth	1,042	10	109	149	373	216	137	39	9		
Ninth	382	2	42	44	144	85	47	14	4		
No Care	543	6	58	82	179	118	68	26	4		2

S02690A-HBI

Table 5

Live Births by Number of Prenatal Visits by Month Care Began, Washington State Residents 1987

Number of Prenatal Visits	Month Care Began					
	Total	1-3	4-6	7-9	No Care	Unknown
Total	70,329	52,301	12,138	2,749	543	2,598
9 or More	54,132	46,522	6,897	266		447
5 - 8	9,275	3,802	4,236	1,117		120
1 - 4	2,613	504	738	1,299		72
No Visits	543				543	
Unknown	3,766	1,473	267	67		1,959

Table 6

Live Births with Rates by Place of Residence by Sex and Place of Occurrence, Washington State 1987

County and City	Residence				Occurrence	
	Number	Rate	Male	Female	Number	Rate
State Totals	70,329	15.7	36,195	34,132	69,346	15.5
Adams	276	19.7	145	131	289	20.6
Asotin	229	13.3	120	109	1	.1
Benton	1,824	17.5	957	867	2,162	20.8
Kennewick	799	21.4	424	375	808	21.7
Richland	450	14.9	244	206	1,044	34.5
Chelan	804	16.5	423	381	1,161	23.8
Wenatchee	349	18.9	200	149	1,082	58.5
Clallam	764	14.3	368	396	765	14.3
Port Angeles	286	16.6	125	161	672	38.9
Clark	3,283	15.6	1,719	1,564	2,224	10.6
Vancouver	1,402	32.3	745	657	2,208	50.9
Columbia	48	11.7	21	27	10	2.4
Cowlitz	1,177	14.9	602	575	1,228	15.5
Kelso	221	20.7	111	110	5	.5
Longview	485	16.4	251	234	1,219	41.3
Douglas	343	14.6	185	158	4	.2
Ferry	71	11.8	36	35	36	6.0
Franklin	742	20.9	353	389	560	15.8
Pasco	465	25.1	225	240	559	30.2
Garfield	26	10.8	16	10		
Grant	934	17.9	480	454	760	14.6
Moses Lake	213	20.1	110	103	596	56.2
Grays Harbor	903	14.3	481	422	591	9.4
Aberdeen	239	14.1	124	115	579	34.1
Island	912	17.5	443	469	776	14.9
Oak Harbor	390	27.9	185	205	3	.2
Jefferson	217	12.0	89	128	168	9.3
King	20,431	14.8	10,508	9,922	22,774	16.4
Auburn	525	17.3	273	252	555	18.3
Bellevue	903	11.0	471	432	2,280	27.8
Des Moines	106	7.7	54	52	2	.1
Kent	527	17.5	258	269	30	1.0
Kirkland	316	16.3	156	160	1,734	89.2
Mercer Island	148	7.1	78	70	2	.1
Redmond	443	14.6	250	193	1,431	47.3
Renton	646	18.3	325	321	2,597	73.4
Seattle	6,870	14.0	3,538	3,331	13,349	27.2
Kitsap	2,804	16.6	1,454	1,350	2,468	14.6
Bremerton	888	27.4	441	447	1,753	54.1
Kittitas	284	11.3	138	146	251	10.0
Ellensburg	130	11.3	55	75	250	21.7
Klickitat	214	13.0	112	102	191	11.6
Lewis	840	14.7	430	410	871	15.3
Centralia	225	19.0	114	111	392	33.1
Lincoln	109	11.2	56	53	17	1.8
Mason	478	13.3	244	234	255	7.1
Okanogan	532	16.8	273	259	531	16.8
Pacific	224	12.9	120	103	120	6.9
Pend Oreille	109	12.2	50	59	59	6.6
Pierce	9,634	17.9	4,892	4,742	10,502	19.5
Puyallup	351	17.7	175	176	1,301	65.6
Tacoma	3,291	20.7	1,654	1,637	6,402	40.3
San Juan	112	12.2	55	57	3	.3
Skagit	1,060	15.3	576	484	1,322	19.0
Anacortes	144	14.2	78	66	165	16.2
Mount Vernon	267	18.5	139	128	825	57.3
Skamania	110	14.1	50	60	2	.3
Snohomish	6,798	17.3	3,605	3,193	4,701	11.9
Edmonds	406	14.3	221	185	1,462	51.7
Everett	1,371	22.8	719	652	2,728	45.4
Lynnwood	539	22.2	295	244	12	.5
Mountlake Terrace	291	18.1	148	143	5	.3
Spokane	5,367	15.1	2,769	2,598	6,085	17.1
Spokane (city)	2,943	17.1	1,506	1,437	5,669	32.9
Stevens	424	14.0	215	209	250	8.3
Thurston	2,173	14.9	1,091	1,082	2,039	14.0
Lacey	214	13.5	108	106	7	.4
Olympia	660	22.3	337	323	2,020	68.2
Wahkiakum	29	8.1	14	15		
Walla Walla	635	13.1	325	310	880	18.2
Walla Walla (city)	412	16.2	203	209	879	34.6
Whatcom	1,587	13.5	797	790	1,551	13.2
Bellingham	634	13.7	311	323	1,531	33.0
Whitman	385	9.8	207	178	398	10.2
Pullman	217	9.8	118	99	394	17.7
Yakima	3,437	18.6	1,776	1,661	3,341	18.1
Yakima (city)	987	19.9	501	486	2507	50.5

Table7. Live Birth Intercounty Travel Pattern

Occurrence → Residence ↓	Adams	Asotin	Benton	Chelan	Clallam	Clark	Columbia	Cowlitz	Douglas	Ferry	Franklin	Garfield	Grant	Grays Harbor	Island	Jefferson	King
Adams	193		7								6		31				
Asotin		1															
Benton	1		1567	1							186		1				3
Chelan				764									1				16
Clallam					726									1	1		27
Clark			1		1	2102		8									4
Columbia							9	3									
Cowlitz						53		1036									2
Douglas				287					4				4				2
Ferry										32			1				
Franklin	26		344			1					354		2				3
Garfield							1										
Grant	67		11	87							1		685				3
Grays Harbor														550			21
Island															753		41
Jefferson					28									1		162	14
King			3	1	2	1		4					1	1	1		19364
Kitsap			1		1										1	2	217
Kittitas	1			7									3				10
Klickitat																	1
Lewis								25						1			6
Lincoln													11				
Mason																1	9
Okanogan				9						3			19				3
Pacific						1		6						31			3
Pend Oreille																	1
Pierce			1		1	3		2		1					1		608
San Juan																	6
Skagit															13		24
Skamania						15		1									
Snohomish			2		1										3	3	2217
Spokane						1								1			1
Stevens																	
Thurston				1				3						3			50
Wahkiakum								23									
Walla Walla			20								9						2
Whatcom						1								1	2		29
Whitman																	1
Yakima			180	1				1									10
Out of state	1		25	3	5	46		116			4		1	1	1		76

Washington State Residents and Occurrences, 1987

Kitsap	Kittitas	Klickitat	Lewis	Lincoln	Mason	Okanogan	Pacific	Pend Oreille	Pierce	San Juan	Skagit	Skamania	Snohomish	Spokane	Stevens	Thurston	Wahkiakum	Walla Walla	Whatcom	Whitman	Yakima	Out-of-State
				1										35				1			1	1
														2						6		220
									2		1			12				2			40	8
						17							1	3				1				1
3									1							1						4
1									1													1165
														1				34				1
			8				1		5		1										1	70
						41								5								
														12	26							
														6				3			2	1
																		2				23
	7			7		3			2				1	46							12	2
			22		8		41		24					1	1	235						
									7		69		35						1		1	5
9									2													1
3			1			1			783		4		211	5		6			1		2	36
2300									264				8			1			1			8
	241								1											1	19	1
		130	1											1							6	75
1			717						32							52					2	4
				9										89								
93			1		237				30					1		104						2
						458								38								2
			12				76		3							17						75
								35						62	7							4
46			7		2	2			8892				5			26					2	35
									1	3	93		2						7			
1			1						1		984		16						18		1	1
		31										2									1	60
3	1			1		1			13		131		4407	2	1				5		1	6
								3	4				4	5322	2			1			1	27
														210	212							2
1			97		8	1			404							1591			1		1	12
			1																			5
									1					3				596		1		3
1	1					1			2		36								1507			6
													1	46				1		288		48
											1								2		3237	5
6	1	30	2			6	2	21	27		2		10	183	1	6		239	8	102	11	

Table 8

Live Births by Race by Place of Residence, Washington State 1987

County And City	Total	White	Black	Mexican/ Chicano	Indian	Japan- ese	Chinese	Filipino	Other Asian	Other	Unknown
State Totals	70,329	58,349	3,471	2,144	1,871	298	203	621	2,572	20	780
Adams	276	266	1	7	1				1		
Asotin	229	212	1	1	12	1	1		1		
Benton	1,824	1,642	24	91	20	8	1	3	34		1
Kennewick	799	719	14	36	9	2	1	3	15		
Richland	450	412	7	7	7	5			12		
Chelan	804	653	3	121	10		1	6	6	4	
Wenatchee	349	287	3	43	9		1	3	3		
Clallam	764	664	5	15	67	2	2	1	7		1
Port Angeles	286	264		2	16		1		2		1
Clark	3,283	2,986	87	22	43	8	7	10	74	1	45
Vancouver	1,402	1,220	55	15	31	2	3	5	48	1	22
Columbia	48	40		8							
Cowlitz	1,177	1,104	7	12	25	3	3	7	16		
Kelso	221	203	1	6	6	1	1	1	2		
Longview	485	451	5	3	8	1	2	4	11		
Douglas	343	264	2	70	3			1	2	1	
Ferry	71	42		1	26			1	1		
Franklin	742	570	36	108	8	1			17	1	1
Pasco	465	329	35	80	6	1			13	1	
Garfield	26	26									
Grant	934	869	8	34	10	1	1	1	8	1	1
Moses Lake	213	199	5	1	3	1	1		2		1
Grays Harbor	903	793	2	10	69	1	1	3	12		12
Aberdeen	239	218		6	11				3		1
Island	912	788	35	9	10	7	1	35	25		2
Oak Harbor	390	315	22	5	3	3	1	27	14		
Jefferson	217	199	1	3	10				4		
King	20,431	16,150	1,548	114	321	157	134	306	1,280	3	418
Auburn	525	464	11	3	12	3		9	13		10
Bellevue	903	726	43	6	7	13	10	6	74		18
Des Moines	106	94	2		2	1			5		2
Kent	527	444	13	4	16	2	2	6	30		10
Kirkland	316	273	5		4	1	2		16		15
Mercer Island	148	135	1			2	1	1	6		2
Redmond	443	386	9	4	3	4	2	2	12		21
Renton	646	532	36	7	13	2	7	9	27		13
Seattle	6,870	4,473	1,124	42	144	53	70	189	673	3	99
Kitsap	2,804	2,436	103	14	79	13	3	71	77		8
Bremerton	888	703	68	5	26	3	2	38	41		2
Kittitas	284	270	2	2	4			1	3	1	1
Ellensburg	130	123	2		2			1	2		
Klickitat	214	193	1	7	13						
Lewis	840	794	6	18	11	3			6		2
Centralia	225	207	1	7	5	1			4		
Lincoln	109	107		1	1						
Mason	478	415	7	3	36	1		2	10		4
Okanogan	532	358	2	59	107	1	1		2		2
Pacific	224	210		3	5		1		5		
Pend Oreille	109	99	1	1	6			1	1		
Pierce	9,634	7,394	1,249	62	234	48	7	78	534	1	27
Puyallup	351	326	5	1	7	2	1	2	7		
Tacoma	3,291	2,260	563	18	111	15	3	30	283		8
San Juan	112	105			1				4		2
Skagit	1,060	970	5	24	35	2		4	16		4
Anacortes	144	134		1	4				4		1
Mount Vernon	267	244	2	9	4	1		1	5		1
Skamania	110	106			4						
Snohomish	6,798	6,216	62	12	134	7	9	34	191	2	131
Edmonds	406	363	3	3	6	1		1	25		4
Everett	1,371	1,233	26	1	30	3		6	37		35
Lynnwood	539	493	8		3			7	22		6
Mountlake Terrace	291	260	2	1	2		1	3	21	1	
Spokane	5,367	4,929	146	26	129	10	10	19	84		5
Spokane (city)	2,943	2,641	95	17	104	10	7	11	54		4
Stevens	424	381	2	1	36	1		1	2		
Thurston	2,173	1,900	50	16	47	11	4	10	81	1	53
Lacey	214	180	7	2	4		1	2	12		6
Olympia	660	569	22	3	14	3	1	2	28		18
Wahkiakum	29	26		1	2						
Walla Walla	635	521	6	95	8		1	1	3		
Walla Walla (city)	412	343	5	53	7			1	3		
Whatcom	1,587	1,382	7	14	110		5	6	24	1	38
Bellingham	634	536	4	6	43		3	4	15		23
Whitman	385	337	10	2	3	1	8		23		1
Pullman	217	172	10	2	2	1	7		22		1
Yakima	3,437	1,932	52	1,157	231	2	2	19	18	3	21
Yakima (city)	987	640	44	248	34			3	6	1	11

Table 9

Live Births by Mother's Age Group by Place of Residence, Washington State 1987

County and City	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	70,329	105	2,477	4,741	19,324	22,924	14,942	5,055	671	29	61
Adams	276	3	15	32	94	74	44	12	2		
Asotin	229	1	8	20	82	71	34	10	3		
Benton	1,824	1	72	138	512	625	356	108	11	1	
Kennewick	799		29	66	252	271	131	47	2	1	
Richland	450		12	26	117	148	114	29	4		
Chelan	804	2	32	63	218	260	164	54	11		
Wenatchee	349	2	15	31	93	115	67	19	7		
Clallam	764	2	40	51	233	238	136	51	12	1	
Port Angeles	286		14	21	81	98	53	14	5		
Clark	3,283	3	126	273	973	1,048	634	207	18	1	
Vancouver	1,402		75	159	482	411	211	59	5		
Columbia	48			2	14	14	16	2			
Cowlitz	1,177		59	132	385	348	202	44	7		
Kelso	221		15	29	79	56	30	12			
Longview	485		31	55	163	149	75	9	3		
Douglas	343		21	21	105	116	58	19	2		1
Ferry	71		6	6	25	13	13	6	2		
Franklin	742	4	42	64	237	225	127	35	8		
Pasco	465	3	33	53	154	134	70	16	2		
Garfield	26				6	12	7	1			
Grant	934	2	45	79	305	290	137	64	9	3	
Moses Lake	213		13	18	65	69	40	7		1	
Grays Harbor	903		51	83	307	267	141	49	5		
Aberdeen	239		17	27	84	61	41	7	2		
Island	912		18	52	355	298	133	53	2	1	
Oak Harbor	390		7	25	165	133	45	15			
Jefferson	217	1	4	15	56	63	53	22	2		1
King	20,431	21	475	881	4,221	6,927	5,513	2,098	247	7	41
Auburn	525		18	48	173	185	70	26	4		1
Bellevue	903		15	25	154	323	257	111	12		6
Des Moines	106		5	3	23	45	23	5	1		1
Kent	527		13	29	196	189	71	25	4		
Kirkland	316		5	8	60	106	94	38	4		1
Mercer Island	148		2	1	12	28	71	34			
Redmond	443		4	15	81	174	119	44	5	1	
Renton	646		18	48	184	229	141	20	5		1
Seattle	6,870	15	206	322	1,264	2,003	2,004	934	111	1	10
Kitsap	2,804	3	81	188	866	911	566	164	23	1	1
Bremerton	888	3	29	87	367	248	123	30	1		
Kittitas	284		9	22	89	92	48	22	2		
Ellensburg	130		5	13	41	42	19	9	1		
Klickitat	214		15	23	67	63	30	15	1		
Lewis	840		41	61	287	260	141	44	5		1
Centralia	225		11	15	84	72	34	8	1		
Lincoln	109		3	4	30	36	29	5	2		
Mason	478	1	20	47	136	152	79	38	5		
Okanogan	532	1	32	47	165	159	97	24	7		
Pacific	224		6	20	76	60	38	18	6		
Pend Oreille	109		7	10	34	32	16	5	5		
Pierce	9,634	22	402	811	3,131	3,081	1,653	472	56	4	2
Puyallup	351		12	34	118	106	67	14			
Tacoma	3,291	9	175	295	1,063	1,022	518	185	21	2	1
San Juan	112			3	22	23	46	13	5		
Skagit	1,060	1	47	93	292	333	199	85	10		
Anacortes	144		4	13	43	39	32	11	2		
Mount Vernon	267	1	12	25	82	96	37	12	2		
Skamania	110		10	12	39	21	20	8			
Snohomish	6,798	6	204	414	1,748	2,389	1,496	473	63	1	4
Edmonds	406		8	15	72	138	109	55	8	1	
Everett	1,371	1	64	128	516	393	199	64	6		
Lynnwood	539		19	38	159	195	101	24	3		
Mountlake Terrace	291		10	14	72	102	73	20			
Spokane	5,367	7	190	396	1,615	1,773	1,042	293	44	2	5
Spokane (city)	2,943	4	126	238	887	952	551	160	21	1	3
Stevens	424		21	34	117	129	87	27	9		
Thurston	2,173	2	79	157	627	676	462	143	22	2	3
Lacey	214		6	18	72	57	43	14	3		1
Olympia	660	1	25	50	197	192	142	45	6	1	1
Wahkiakum	29		1	3	11	6	7	1			
Walla Walla	635	3	33	56	173	193	132	35	9	1	
Walla Walla (city)	412	2	27	34	113	124	80	24	7	1	
Whatcom	1,587	1	46	80	425	537	354	120	24		
Bellingham	634	1	24	35	171	201	131	61	10		
Whitman	385		4	10	102	146	87	29	7		
Pullman	217		2	8	55	82	47	20	3		
Yakima	3,437	18	212	338	1,144	963	545	186	25	4	2
Yakima(city)	987	2	63	109	328	275	144	57	8	1	

Table 10

Live Births by Month by Place of Residence, Washington State 1987

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
State Totals	70,329	5,366	5,231	6,022	6,163	6,225	6,138	6,300	6,125	5,967	5,763	5,346	5,683
Adams	276	19	22	24	19	32	25	29	27	21	22	23	13
Asotin	229	18	14	15	20	28	25	22	19	26	14	13	15
Benton	1,824	151	132	150	164	179	152	155	170	158	146	135	132
Kennewick	799	58	51	65	78	76	54	65	80	69	75	67	61
Richland	450	44	37	39	34	45	48	38	36	42	24	29	34
Chelan	804	49	64	60	70	71	73	75	65	69	76	69	63
Wenatchee	349	20	24	21	29	27	35	36	31	23	41	33	29
Clallam	764	52	61	62	80	83	69	72	67	56	54	49	59
Port Angeles	286	22	20	20	35	29	22	31	20	23	25	19	20
Clark	3,283	249	249	258	285	275	297	317	290	282	248	259	274
Vancouver	1,402	96	100	110	116	108	129	157	117	124	107	126	112
Columbia	48	3	3	2	6	7	6	5	3	5	4	2	2
Cowlitz	1,177	100	92	109	108	99	97	109	106	80	92	99	86
Kelso	221	19	18	21	19	13	19	19	17	14	19	25	18
Longview	485	45	39	48	47	39	41	45	54	28	29	37	33
Douglas	343	27	27	20	33	31	35	25	29	29	29	27	31
Ferry	71	5	4	4	7	7	7	7	6	4	4	8	8
Franklin	742	53	45	51	75	68	68	61	67	64	76	56	58
Pasco	465	35	26	35	50	38	41	38	49	38	45	36	34
Garfield	26		3	3	4	4		3	1	3	2	1	2
Grant	934	65	65	79	71	90	80	97	78	86	80	75	68
Moses Lake	213	22	15	15	23	19	15	22	24	15	13	20	10
Grays Harbor	903	71	71	93	82	72	83	82	80	67	51	68	83
Aberdeen	239	21	18	22	22	24	25	22	18	16	15	11	25
Island	912	74	51	84	102	80	84	58	79	70	68	76	86
Oak Harbor	390	32	18	35	40	41	43	24	25	35	31	30	36
Jefferson	217	16	14	18	22	20	21	20	18	22	25	9	12
King	20,431	1,550	1,522	1,791	1,769	1,787	1,810	1,800	1,803	1,690	1,678	1,540	1,691
Auburn	525	35	40	47	53	44	52	41	35	52	40	45	41
Bellevue	903	59	65	90	76	97	60	62	95	83	84	63	69
Des Moines	106	3	9	7	10	9	7	7	18	9	7	7	13
Kent	527	37	47	58	40	44	53	52	39	51	39	20	47
Kirkland	316	19	21	31	23	34	28	36	28	20	29	24	23
Mercer Island	148	13	13	7	18	11	16	12	15	9	8	11	15
Redmond	443	38	34	46	38	39	37	38	41	38	36	29	29
Renton	646	46	55	53	67	55	59	49	55	52	54	51	50
Seattle	6,870	546	544	599	573	577	603	613	585	591	534	528	577
Kitsap	2,804	219	186	229	229	246	244	280	238	285	218	223	207
Bremerton	888	69	53	65	66	67	76	87	82	108	77	80	58
Kittitas	284	27	19	20	20	23	25	29	27	20	31	20	23
Ellensburg	130	14	11	11	5	14	13	9	15	7	10	10	11
Klickitat	214	15	21	20	21	16	15	24	19	18	9	18	18
Lewis	840	54	59	69	75	74	69	82	69	78	63	70	78
Centralia	225	17	22	23	18	14	15	19	16	21	19	22	19
Lincoln	109	9	10	12	9	9	6	8	11	10	11	7	7
Mason	478	35	33	41	42	44	42	39	34	39	39	48	42
Okanogan	532	36	36	54	43	45	50	36	45	55	55	36	41
Pacific	224	20	20	13	26	20	18	20	12	19	22	16	18
Pend Oreille	109	7	5	11	6	9	12	11	9	5	11	12	11
Pierce	9,634	744	726	857	813	856	798	844	810	788	803	765	830
Puyallup	351	32	26	27	34	27	37	37	27	28	24	25	27
Tacoma	3,291	235	252	304	278	291	285	299	270	248	281	255	293
San Juan	112	10	10	11	10	5	10	11	9	10	8	9	9
Skagit	1,060	68	73	89	82	84	109	103	98	87	80	89	98
Anacortes	144	13	15	7	9	9	17	15	12	8	10	14	15
Mount Vernon	267	14	11	22	24	23	32	26	29	28	15	22	21
Skamania	110	7	3	9	9	7	18	12	16	10	8	5	6
Snohomish	6,798	503	512	553	587	620	563	625	592	647	594	473	529
Edmonds	406	33	27	37	32	39	45	26	36	37	33	35	26
Everett	1,371	91	103	120	128	125	105	118	123	120	139	97	102
Lynnwood	539	38	49	34	52	50	38	48	51	61	40	33	45
Mountlake Terrace	291	15	22	26	27	15	27	24	36	30	27	15	27
Spokane	5,367	433	412	454	504	459	472	490	481	400	445	380	437
Spokane (city)	2,943	236	227	246	275	231	268	271	270	211	244	217	247
Stevens	424	31	41	31	49	38	38	43	35	28	38	28	24
Thurston	2,173	166	160	207	200	191	185	173	200	197	173	160	161
Lacey	214	21	12	18	10	18	17	17	21	21	18	22	19
Olympia	660	51	50	56	76	59	56	43	62	52	59	54	42
Wahkiakum	29	2	3	4	1	2	2	4	4	1	4		2
Walla Walla	635	55	40	53	65	59	51	75	52	54	41	33	57
Walla Walla (city)	412	40	23	27	44	37	40	45	35	34	22	25	40
Whatcom	1,587	125	119	132	134	149	144	135	124	144	126	127	128
Bellingham	634	52	41	39	47	65	57	58	62	64	53	46	50
Whitman	385	32	38	34	32	34	29	30	33	36	31	34	22
Pullman	217	16	19	18	21	18	15	17	20	17	19	25	12
Yakima	3,437	266	266	296	289	302	306	289	299	304	284	284	252
Yakima (city)	987	74	74	80	82	77	92	79	93	97	77	87	75

Table 11

Live Births by Birth Weight in Grams by Place of Residence, Washington State 1987

County and City	Total	1000 or Less	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	4001-4500	4501 And Over	Not Stated
State Totals	70,329	258	326	716	2,454	8,911	24,250	23,000	8,257	1,888	269
Adams	276			4	10	44	102	80	33	3	
Asotin	229	3		3	6	34	73	68	28	13	1
Benton	1,824	1	1	19	62	256	617	603	227	38	
Kennewick	799	1	1	11	33	127	261	248	99	18	
Richland	450			1	9	55	157	168	48	12	
Chelan	804	3	9	2	26	91	289	273	89	21	1
Wenatchee	349	2	3	1	16	35	130	110	43	9	
Clallam	764	3	2	8	31	87	245	262	93	30	3
Port Angeles	286	1	1	3	15	38	96	90	33	7	2
Clark	3,283	14	9	35	108	365	1,149	1,101	403	92	7
Vancouver	1,402	4	6	16	52	162	519	451	149	42	1
Columbia	48					7	11	24	6		
Cowlitz	1,177	3	4	7	48	140	389	394	159	32	1
Kelso	221	1		1	11	24	77	74	26	7	
Longview	485	2		3	18	61	167	150	67	16	1
Douglas	343	1		1	11	42	118	123	40	7	
Ferry	71	1	1		1	7	30	20	8	2	1
Franklin	742	1	5	9	28	110	246	236	89	18	
Pasco	465	1	4	8	21	70	157	146	45	13	
Garfield	26					4	9	7	5	1	
Grant	934	2	5	13	26	112	333	313	109	20	1
Moses Lake	213			6	5	29	76	59	31	6	1
Grays Harbor	903	6	5	9	47	101	300	279	104	28	24
Aberdeen	239		1	2	10	32	79	78	26	5	6
Island	912	1	3	8	22	117	313	315	98	35	
Oak Harbor	390			3	11	58	126	136	44	12	
Jefferson	217	2		2	10	16	75	73	33	6	
King	20,431	83	101	202	713	2,610	7,205	6,664	2,325	506	22
Auburn	525	1	2	6	18	67	176	177	61	15	2
Bellevue	903	3	4	12	24	99	299	333	98	31	
Des Moines	106		2	1	5	19	36	24	12	7	
Kent	527		5	4	20	60	195	165	57	19	2
Kirkland	316	2	2	2	12	29	104	112	40	13	
Mercer Island	148		1		3	18	43	64	16	3	
Redmond	443	2	3	6	14	44	142	149	71	11	1
Renton	646	2	2	6	23	70	253	195	79	15	1
Seattle	6,870	35	46	93	304	1,040	2,476	2,058	687	122	9
Kitsap	2,804	7	14	27	84	317	985	894	378	93	5
Bremerton	888	3	8	11	33	110	323	265	106	26	3
Kittitas	284	1		1	16	36	90	96	33	11	
Ellensburg	130			1	8	15	43	41	17	5	
Klickitat	214	2		2	7	31	61	76	31	4	
Lewis	840	3	2	9	36	106	289	268	101	19	7
Centralia	225			3	11	30	85	66	25	3	2
Lincoln	109			2	1	12	33	40	18	3	
Mason	478	1	1	4	21	51	152	173	51	16	8
Okanogan	532	2	2	5	26	60	186	178	57	16	
Pacific	224		3	2	7	32	76	79	18	4	3
Pend Oreille	109				5	17	37	31	14	5	
Pierce	9,634	41	66	129	399	1,380	3,365	2,980	1,047	211	16
Puyallup	351	3	3	8	11	40	109	131	40	5	1
Tacoma	3,291	18	25	53	170	508	1,168	953	322	68	6
San Juan	112	1			2	14	36	42	16	1	
Skagit	1,060	4	1	8	38	128	350	347	149	34	1
Anacortes	144			1	4	19	43	44	26	7	
Mount Vernon	267	3		3	8	40	87	88	30	8	
Skamania	110	2	1	2	3	16	33	35	12	6	
Snohomish	6,798	26	21	63	210	776	2,242	2,390	855	212	3
Edmonds	406	1	2	7	18	34	136	141	58	9	
Everett	1,371	5	4	8	35	190	493	434	164	38	
Lynnwood	539	2	1	4	22	61	198	172	63	16	
Mountlake Terrace	291	3	1	2	10	43	101	94	28	9	
Spokane	5,367	24	31	59	198	755	1,820	1,751	579	143	7
Spokane (city)	2,943	15	20	30	116	433	995	962	298	69	5
Stevens	424	2	2	6	15	50	142	139	57	11	
Thurston	2,173	3	9	24	61	228	681	686	271	61	149
Lacey	214	2		5	5	24	65	74	22	4	13
Olympia	660		5	6	22	76	198	194	88	20	51
Wahkiakum	29					2	6	14	4	3	
Walla Walla	635	1	2	4	17	86	215	211	79	19	1
Walla Walla (city)	412	1	2	2	9	54	138	136	52	17	1
Whatcom	1,587	2	5	17	38	161	555	535	224	48	2
Bellingham	634	2	3	5	18	73	201	230	85	15	2
Whitman	385		2	2	14	49	139	124	44	11	
Pullman	217			1	8	26	79	76	23	4	
Yakima	3,437	12	19	28	107	461	1,253	1,076	370	105	6
Yakima (city)	987	2	5	13	34	143	350	292	113	33	2

Table 12

Residence, Multiple Births by Number Born Alive Each Set, Washington State 1987

County and City	Sets of Twins			Sets of Triplets				Sets of Four or More
	2 Born Alive	1 Born Alive	None Alive	3 Born Alive	2 Born Alive	1 Born Alive	None Alive	Total
State Totals	715	22	13	1				
Adams		3						
Asotin			1					
Benton		18						
Kennewick	8							
Richland	7							
Chelan	4							
Wenatchee	1							
Clallam	10			1				
Port Angeles	7							
Clark	33	1						
Vancouver	14							
Columbia								
Cowlitz	11		1					
Kelso	4							
Longview	2							
Douglas	3		1					
Ferry		1						
Franklin	5	1						
Pasco	3							
Garfield								
Grant	12							
Moses Lake	1							
Grays Harbor	9	2						
Aberdeen		1						
Island	7							
Oak Harbor	1							
Jefferson	4							
King	211	6	7					
Auburn	2							
Bellevue	9	1						
Des Moines	1							
Kent	4							
Kirkland	5							
Mercer Island	1							
Redmond	7							
Renton	4	1						
Seattle	80	2	4					
Kitsap	25							
Bremerton	8							
Kittitas	3							
Ellensburg	2							
Klickitat	1		1					
Lewis	10	1						
Centralia	3							
Lincoln	1							
Mason	5							
Okanogan	3							
Pacific	3							
Pend Oreille								
Pierce	108	4						
Puyallup	6							
Tacoma	36	3						
San Juan								
Skagit	11							
Anacortes	2							
Mount Vernon	3							
Skamania	4							
Snohomish	69	1	1					
Edmonds	5							
Everett	16							
Lynnwood	2							
Mountlake Terrace	2		1					
Spokane	59	3	1					
Spokane (city)	36	3						
Stevens	8							
Thurston	22	1						
Lacey	3							
Olympia	4							
Wahkiakum								
Walla Walla	5							
Walla Walla (city)	3							
Whatcom	10							
Bellingham	5							
Whitman	8							
Pullman	3							
Yakima	30		1					
Yakima (city)	4							

Table 13

Live Births with Malformations with Percent of Total Births by Place of Residence, Washington State 1987

County and City	Total Births	Births with Malformations	Percent of Total Births[1]	Total Malformations[2]
State Total	70,329	1,256	1.8	1,407
Adams	276	2	.7	5
Asotin	229	8	3.5	9
Benton	1,824	33	1.8	36
Kennewick	799	13	1.6	16
Richland	450	10	2.2	10
Chelan	804	12	1.5	13
Wenatchee	349	3	.9	3
Clallam	764	21	2.8	24
Port Angeles	286	6	2.1	7
Clark	3,283	6	.2	6
Vancouver	1,402	4	.3	4
Columbia	48			
Cowlitz	1,177	16	1.4	21
Kelso	221	6	2.7	8
Longview	485	7	1.4	8
Douglas	343	4	1.2	4
Ferry	71			
Franklin	742	10	1.4	12
Pasco	465	6	1.3	8
Garfield	26			
Grant	934	12	1.3	13
Moses Lake	213	1	.5	1
Grays Harbor	903	18	2.0	20
Aberdeen	239	7	2.9	9
Island	912	27	3.0	28
Oak Harbor	390	13	3.3	14
Jefferson	217	3	1.4	3
King	20,431	392	1.9	431
Auburn	525	12	2.3	12
Bellevue	903	21	2.3	28
Des Moines	106	6	5.7	7
Kent	527	11	2.1	11
Kirkland	316	3	1.0	3
Mercer Island	148	2	1.4	2
Redmond	443	8	1.8	8
Renton	646	13	2.0	16
Seattle	6,870	149	2.2	163
Kitsap	2,804	63	2.3	69
Bremerton	888	24	2.7	25
Kittitas	284	4	1.4	5
Ellensburg	130	2	1.5	3
Klickitat	214	3	1.4	3
Lewis	840	15	1.8	18
Centralia	225	1	.4	1
Lincoln	109			
Mason	478	7	1.5	7
Okanogan	532	18	3.4	20
Pacific	224	3	1.3	3
Pend Oreille	109	2	1.8	2
Pierce	9,634	234	2.4	258
Puyallup	351	4	1.1	4
Tacoma	3,291	62	1.9	71
San Juan	112	2	1.8	2
Skagit	1,060	24	2.3	29
Anacortes	144	2	1.4	2
Mount Vernon	267	6	2.3	10
Skamania	110	1	.9	1
Snohomish	6,798	136	2.0	153
Edmonds	406	8	2.0	8
Everett	1,371	36	2.6	39
Lynnwood	539	12	2.2	12
Mountlake Terrace	291	10	3.4	11
Spokane	5,367	67	1.3	81
Spokane (city)	2,943	28	1.0	31
Stevens	424	4	.9	5
Thurston	2,173	44	2.0	49
Lacey	214	5	2.3	6
Olympia	660	18	2.7	20
Wahkiakum	29			
Walla Walla	635	14	2.2	17
Walla Walla (city)	412	9	2.2	10
Whatcom	1,587	22	1.4	27
Bellingham	634	12	1.9	12
Whitman	385	7	1.8	8
Pullman	217	3	1.4	4
Yakima	3,437	22	.6	25
Yakima (city)	987	2	.2	3

[1] Total may not add up to 100% due to rounding.
[2] Individual births may have more than one malformation.

Table 14

Live Births with Maternal Smoking by Mother's Place of Residence, Washington State 1987

County and City	Total Births	Births with Maternal Smoking		Births with No Maternal Smoking		Births with Maternal Smoking Unknown	
		Number	Percent	Number	Percent	Number	Percent
State Total	70,329	16,617	23.6	49,693	70.6	4,019	5.7
Adams	276	38	13.7	229	82.9	9	3.2
Asotin	229	5	2.1	4	1.7	220	96.0
Benton	575	126	21.9	423	73.5	26	4.5
Kennewick	799	215	26.9	559	69.9	25	3.1
Richland	450	79	17.5	346	76.8	25	5.5
Chelan	455	62	13.6	389	85.4	4	.8
Wenatchee	349	46	13.1	301	86.2	2	.5
Clallam	478	138	28.8	322	67.3	18	3.7
Port Angeles	286	83	29.0	193	67.4	10	3.4
Clark	1,881	360	19.1	785	41.7	736	39.1
Vancouver	1,402	378	26.9	454	32.3	570	40.6
Columbia	48	12	25.0	35	72.9	1	2.0
Cowlitz	471	125	26.5	305	64.7	41	8.7
Kelso	221	80	36.1	132	59.7	9	4.0
Longview	485	151	31.1	306	63.0	28	5.7
Douglas	343	38	11.0	300	87.4	5	1.4
Ferry	71	21	29.5	47	66.1	3	4.2
Franklin	277	36	12.9	232	83.7	9	3.2
Pasco	465	105	22.5	332	71.3	28	6.0
Garfield	26			3	11.5	23	88.4
Grant	721	177	24.5	537	74.4	7	.9
Moses Lake	213	55	25.8	157	73.7	1	.4
Grays Harbor	664	220	33.1	405	60.9	39	5.8
Aberdeen	239	105	43.9	130	54.3	4	1.6
Island	522	124	23.7	384	73.5	14	2.6
Oak Harbor	390	107	27.4	277	71.0	6	1.5
Jefferson	217	67	30.8	146	67.2	4	1.8
King	9,947	1,934	19.4	7,632	76.7	381	3.8
Auburn	525	163	31.0	330	62.8	32	6.0
Bellevue	903	102	11.2	777	86.0	24	2.6
Des Moines	106	31	29.2	72	67.9	3	2.8
Kent	527	144	27.3	353	66.9	30	5.6
Kirkland	316	38	12.0	270	85.4	8	2.5
Mercer Island	148	14	9.4	131	88.5	3	2.0
Redmond	443	53	11.9	377	85.1	13	2.9
Renton	646	141	21.8	472	73.0	33	5.1
Seattle	6,870	1,234	17.9	5,158	75.0	478	6.9
Kitsap	1,916	438	22.8	1,454	75.8	24	1.2
Bremerton	888	255	28.7	622	70.0	11	1.2
Kittitas	154	35	22.7	116	75.3	3	1.9
Ellensburg	130	21	16.1	105	80.7	4	3.0
Klickitat	214	59	27.5	79	36.9	76	35.5
Lewis	615	156	25.3	444	72.1	15	2.4
Centralia	225	82	36.4	139	61.7	4	1.7
Lincoln	109	11	10.0	95	87.1	3	2.7
Mason	478	176	36.8	295	61.7	7	1.4
Okanogan	532	122	22.9	363	68.2	47	8.8
Pacific	224	38	16.9	70	31.2	116	51.7
Pend Oreille	109	31	28.4	71	65.1	7	6.4
Pierce	5,992	1,590	26.5	4,323	72.1	79	1.3
Puyallup	351	79	22.5	264	75.2	8	2.2
Tacoma	3,291	963	29.2	2,249	68.3	79	2.4
San Juan	112	18	16.0	92	82.1	2	1.7
Skagit	649	166	25.5	479	73.8	4	.6
Anacortes	144	41	28.4	100	69.4	3	2.0
Mount Vernon	267	59	22.0	205	76.7	3	1.1
Skamania	110	20	18.1	28	25.4	62	56.3
Snohomish	4,191	1,016	24.2	3,096	73.8	79	1.8
Edmonds	406	79	19.4	321	79.0	6	1.4
Everett	1,371	491	35.8	860	62.7	20	1.4
Lynnwood	539	132	24.4	392	72.7	15	2.7
Mountlake Terrace	291	74	25.4	205	70.4	12	4.1
Spokane	2,424	594	24.5	1,766	72.8	64	2.6
Spokane (city)	2,943	968	32.8	1,941	65.9	34	1.1
Stevens	424	119	28.0	288	67.9	17	4.0
Thurston	1,299	321	24.7	937	72.1	41	3.1
Lacey	214	57	26.6	144	67.2	13	6.0
Olympia	660	191	28.9	444	67.2	25	3.7
Wahkiakum	29	6	20.6	18	62.0	5	17.2
Walla Walla	223	38	17.0	184	82.5	1	.4
Walla Walla (city)	412	96	23.3	308	74.7	8	1.9
Whatcom	953	231	24.2	686	71.9	36	3.7
Bellingham	634	181	28.5	417	65.7	36	5.6
Whitman	168	24	14.2	125	74.4	19	11.3
Pullman	217	15	6.9	172	79.2	30	13.8
Yakima	2,450	496	20.2	1,872	76.4	82	3.3
Yakima (city)	987	321	32.5	619	62.7	47	4.7

Table 15

Live Births to Single Mothers by Place of Residence by Age of Mother Washington State, 1987

County and City	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Total	14,597	98	1,989	2,581	5,186	2,824	1,330	502	70	3	14
Adams	49	3	9	11	21	2	3				
Asotin	70	1	6	12	33	15	2	1			
Benton	345	1	55	67	117	73	22	10			
Kennewick	173	22	31	76	32	8	4				
Richland	63	12	13	18	11	7	2				
Chelan	149	2	20	32	52	28	10	4	1		
Wenatchee	78	2	10	14	25	17	7	2	1		
Clallam	159	1	26	18	55	36	15	8			
Port Angeles	57	8	8	17	16	6	2				
Clark	698	3	103	154	225	137	58	16	2		
Vancouver	408	65	96	131	78	32	6				
Columbia	6			5		1					
Cowlitz	308	51	71	94	51	36	5				
Kelso	75	12	16	25	15	6	1				
Longview	155	28	35	44	27	19	2				
Douglas	64		17	11	19	10	7				
Ferry	29		5	5	9	4	5	1			
Franklin	215	3	35	39	74	37	20	6	1		
Pasco	182	3	27	34	63	32	17	5	1		
Garfield	2				1			1			
Grant	184	2	32	37	68	25	10	7	3		
Moses Lake	46	9	8	21	6	2					
Grays Harbor	283	44	57	104	54	17	7				
Aberdeen	93	13	17	39	17	5	2				
Island	65	11	9	27	10	7	1				
Oak Harbor	22	5	2	8	5	2					
Jefferson	52	1	3	10	20	5	8	5			
King	3,790	20	414	564	1,313	865	399	178	25	1	11
Auburn	121		13	28	35	31	7	6	1		
Bellevue	94		12	13	34	20	9	5	1		
Des Moines	29		3	2	13	8	3				
Kent	118		7	13	57	29	7	5			
Kirkland	41		4	6	15	7	5	2	1	1	
Mercer Island	9		2	1	2		4				
Redmond	30		2	9	13	5	1				
Renton	127		13	30	46	23	11	3		1	
Seattle	1,746	14	189	233	593	389	219	94	12	3	
Kitsap	441	3	66	81	163	73	38	16	1		
Bremerton	189	3	24	38	71	34	15	4			
Kittitas	55	8	12	17	10	5	3				
Ellensburg	28	4	6	9	3	3	3				
Klickitat	60	12	16	15	11	4	2				
Lewis	209	34	32	78	37	17	10	1			
Centralia	63	10	7	24	15	3	4				
Lincoln	10		2	2	4	1	1				
Mason	133	1	18	28	41	32	8	2	3		
Okanogan	166	1	23	25	67	30	16	3	1		
Pacific	64		5	10	25	11	8	3	2		
Pend Oreille	24		6	1	8	5	4				
Pierce	2,199	21	318	405	799	411	183	52	9	1	
Puyallup	68		9	19	23	11	5	1			
Tacoma	1,076	8	154	188	399	201	94	29	3		
San Juan	15			2	6		5	2			
Skagit	247	1	37	55	75	44	24	11			
Anacortes	36		4	9	12	4	4	3			
Mount Vernon	63	1	10	11	25	11	4	1			
Skamania	37		8	7	16	5		1			
Snohomish	1,240	5	168	237	440	228	114	43	4	1	
Edmonds	49		8	8	20	9	2	2			
Everett	419	1	53	79	167	68	39	11	1		
Lynnwood	101		14	24	36	21	6				
Mountlake Terrace	46		9	6	14	6	7	4			
Spokane	1,167	6	157	215	440	201	105	38	3	1	1
Spokane (city)	776	3	106	144	289	132	70	29	2	1	
Stevens	88		12	9	32	22	9	2	2		
Thurston	428	2	67	74	147	85	38	12	2	1	
Lacey	43		6	12	11	8	3	2	1		
Olympia	168	1	19	26	68	34	15	4		1	
Wahkiakum	6		1	1	2		2				
Walla Walla	141	3	21	31	47	23	10	5	1		
Walla Walla (city)	103	2	16	19	34	21	7	3	1		
Whatcom	296	1	36	41	116	65	24	11	2		
Bellingham	152	1	21	23	58	28	14	7			
Whitman	30	2	7	11	4	5	1				
Pullman	12	5	5	1	1						
Yakima	1,073	17	157	193	400	174	90	35	7		
Yakima (city)	356	1	49	67	134	60	29	13	3		

Table 16

Live Births by Institutions by Place of Occurrence, Washington State 1987

County and City	Total	General Hospital	Birth Center	Federal Facility	Home	Born On Arrival	Other and Not Stated
State Totals	69,346	63,628	239	4,085	1,125	68	201
Adams	289	288				1	
Asotin	1				1		
Benton	2,162	2,144			14	4	
Kennewick	808	798			10		
Richland	1,044	1,038			3	3	
Chelan	1,161	1,138			22		1
Wenatchee	1,082	1,076			6		
Clallam	765	742			22		1
Port Angeles	672	662			10		
Clark	2,224	2,172			52		
Vancouver	2,208	2,172			36		
Columbia	10	10					
Cowlitz	1,228	1,214			12	2	
Kelso	5				5		
Longview	1,219	1,214			3	2	
Douglas	4				4		
Ferry	36	35			1		
Franklin	560	555			3	1	1
Pasco	559	555			3	1	
Garfield							
Grant	760	754			4	2	
Moses Lake	596	593			2	1	
Grays Harbor	591	578			13		
Aberdeen	579	577			2		
Island	776	364		397	14		1
Oak Harbor	3				3		
Jefferson	168	154			14		
King	22,774	22,381	11		332	16	34
Auburn	555	548			7		
Bellevue	2,280	2,260			20		
Des Moines	2				2		
Kent	30				30		
Kirkland	1.734	1,724			9		1
Mercer Island	2				2		
Redmond	1,431	1,416			14	1	
Renton	2,597	2,578			17	2	
Seattle	13.349	13,116	11		180	13	29
Kitsap	2,468	1,732		663	59	7	7
Bremerton	1,753	1,732			16	4	1
Kittitas	251	250					1
Ellensburg	250	250					
Klickitat	191	189			2		
Lewis	871	812			58		1
Centralia	392	385			7		
Lincoln	17	14			3		
Mason	255	247			8		
Okanogan	531	502			29		
Pacific	120	116			3	1	
Pend Oreille	59	57			2		
Pierce	10,502	7,550	90	2,644	84	12	122
Puyallup	1,301	1,287			13	1	
Tacoma	6,402	6,260	90		38	10	4
San Juan	3				1		2
Skagit	1,322	1,160	138		21	2	1
Anacortes	165	159			5		1
Mount Vernon	825	684	138		2	1	
Skamania	2				2		
Snohomish	4,701	4,516			170	5	10
Edmonds	1,462	1,448			13	1	
Everett	2,728	2,689			36	3	
Lynnwood	12				12		
Mountlake Terrace	5				5		
Spokane	6,085	5,637		381	58	5	4
Spokane (city)	5,669	5,618			45	4	2
Stevens	250	242			8		
Thurston	2,039	1,977			54	2	6
Lacey	7				7		
Olympia	2,020	1,977			36	2	5
Wahkiakum							
Walla Walla	880	876			4		
Walla Walla (city)	879	876			3		
Whatcom	1,551	1,503			42	2	4
Bellingham	1,531	1,503			25	2	1
Whitman	398	394					4
Pullman	394	394					
Yakima	3,341	3,325			9	6	1
Yakima (city)	2,507	2,500			3	4	

MORTALITY

Table 1
Deaths in Washington State by Selected Topics, 1987

A. Residence, Sex and Race

	Total	Male	Female	Unknown
Total	34,967	18,208	16,757	2
White	33,255	17,190	16,064	1
Black	748	466	282	
Mexican/Chicano	99	77	22	
American Indian	344	176	168	
Japanese	115	52	62	1
Chinese	68	36	32	
Filipino	128	100	28	
Other Asian	198	101	97	
Other	3	3		
Unknown	9	7	2	

B. Residence, Infant Deaths by Race

Total	681
White	563
Black	54
Mexican/Chicano	7
American Indian	24
Japanese	
Chinese	3
Filipino	2
Other Asian	27
Other	
Unknown	1

C. Residence, Age Group by Sex

	Total	Male	Female	Unknown
Total	34,967	18,208	16,757	2
Under 1	681	404	277	
1-4	136	75	61	
5-14	179	116	63	
15-19	294	198	96	
20-24	381	300	81	
25-34	951	677	274	
35-44	1,173	810	363	
45-54	1,691	1,066	625	
55-64	4,108	2,472	1,636	
65-74	7,994	4,671	3,323	
75-84	9,617	4,868	4,747	2
85-94	6,451	2,249	4,202	
95 and Over	1,302	295	1,007	
Unknown	9	7	2	

D. Residence, Marital Status by Sex

	Total	Male	Female	Unknown
Total	34,967	18,208	16,757	2
Single	3,716	2,486	1,230	
Married	15,472	10,667	4,803	2
Divorced	3,554	2,035	1,519	
Widowed	12,061	2,912	9,149	
Unknown	164	108	56	

[1] Detail may not add to 100% due to rounding.

Table 1 (continued)
Deaths in Washington State by Selected Topics, 1987

E. Residence, Leading Cause

Rank	Cause of Death	International List Number	Number	Percent[1]
	All Causes		34,967	100.0%
1	Heart Disease	391-392.0, 393-398, 402, 404, 410-417, 420-429	11,397	32.6
2	Malignant Neoplasm	140-208, 230-234	8,208	23.3
3	Cerebrovascular Disease	430-438	2,653	7.6
4	Chronic Obstructive Pulmonary Diseases	490-496	1,737	5.0
5	All Accidents	800-949	1,688	4.8
6	Influenza and Pneumonia	480-487	1,110	3.2
7	Suicide	E950-E959	707	2.0
8	Diabetes Mellitus	250	646	1.8
9	Arteriosclerosis	440	445	1.3
10	Diseases of the Arteries, Except Arteriosclerotic	441-440, 446-448	438	1.3

F. Residence and Occurrence, by Month

	Residence	Occurrence
Total	34,967	35,190
January	3,131	3,129
February	2,683	2,693
March	3,095	3,121
April	2,898	2,902
May	2,883	2,897
June	2,913	2,927
July	2,785	2,828
August	2,802	2,832
September	2,745	2,789
October	2,938	2,977
November	2,945	2,932
December	3,149	3,163

G. Occurrence, Type of Place

Total	35,190
General Hospital	15,539
Nursing Home	9,060
Home	7,904
Federal Facility	955
Psychiatric Hospital	32
State Facility	1
Dead On Arrival	40
Other and Unknown	1,659

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[1] Detail may not add to 100% due to rounding.

Table 2

Deaths with Rates[1] and Percent[2] by Age Group and Sex by Leading Causes, Washington State Residents 1987

	International List Number	Total			Male			Female		
		Number	Rate	Percent[3]	Number	Rate	Percent[3]	Number	Rate	Percent[3]
All Ages										
All Causes		34,967*	780.3	100.0	18,208	816.1	100.0	16,757	744.7	100.0
Diseases of the Heart	391-2.0, 393-8, 402, 404, 410-7, 420-9	11,397	254.3	32.6	5,961	267.2	32.7	5,435	241.5	32.4
Malignant Neoplasms	140-208, 230-234	8,208	183.2	23.5	4,343	194.7	23.9	3,865	171.8	23.1
Cerebrovascular Disease	430-438	2,653	59.2	7.6	978	43.8	5.4	1,675	74.4	10.0
Chronic Obstructive Pulmonary Diseases	490-496	1,737	38.8	5.0	976	43.7	5.4	761	33.8	4.5
All Accidents	E800-949	1,688	37.7	4.8	1,168	52.4	6.4	520	23.1	3.1
Influenza and Pneumonia	480-487	1,110	24.8	3.2	495	22.2	2.7	615	27.3	3.7
Suicide	E950-959	707	15.8	2.0	564	25.3	3.1	143	6.4	.9
Diabetes Mellitus	250	646	14.4	1.8	281	12.6	1.5	365	16.2	2.2
Arteriosclerosis	440	445	9.9	1.3	175	7.8	1.0	270	12.0	1.6
Diseases of the Arteries, except Arteriosclerotic	441-444, 446-448	438	9.8	1.3	277	12.4	1.5	161	7.2	1.0
All Other Causes		5,938	132.5	17.0	2,990	134.0	16.4	2,947	131.0	17.6
Under 1										
All Causes		681	969.7	100.0	404	1126.8	100.0	277	805.9	100.0
Sudden Infant Death Syndrome	7980	182	259.2	26.7	115	320.8	28.5	67	194.9	24.2
Certain Causes Mortality in Early Infancy	760-762, 764-766, 770-779	163	232.1	23.9	97	270.5	24.0	66	192.0	23.8
Congenital Anomalies	740-759	153	217.9	22.5	80	223.1	19.8	73	212.4	26.4
Birth Injury, etc.	763,767-769	94	133.9	13.8	62	172.9	15.3	32	93.1	11.6
All Accidents	E800-949	15	21.4	2.2	10	27.9	2.5	5	14.5	1.8
All Other Causes		74	105.4	10.9	40	111.6	9.9	34	98.9	12.3
1 - 4										
All Causes		138	49.6	100.0	75	53.4	100.0	61	45.7	100.0
All Accidents	E800-949	53	19.3	39.0	32	22.8	42.7	21	15.7	34.4
Congenital Anomalies	740-759	24	8.8	17n6	10	7.1	13.3	14	10.5	23.0
Malignant Neoplasms	140-208,230-234	15	5.5	11.0	7	5.0	9.3	8	6.0	13.1
Homicide	E960-969	6	2.2	4.4	2	1.4	2.7	4	3.0	6.6
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	5	1.8	3.7	3	2.1	4.0	2	1.5	3.3
All Other Causes		33	12.0	24.3	21	14.9	28.0	12	9.0	19.7
5 - 14										
All Causes		179	28.9	100.0	116	36.7	100.0	63	20.8	100.0
All Accidents	E800-949	85	13.7	47.5	60	19.0	51.7	25	8.3	39.7
Malignant Neoplasms	140-208,230-234	18	2.9	10.1	13	4.1	11.2	5	1.7	7.9
Congenital Anomalies	740-759	15	2.4	8.4	8	2.5	6.9	7	2.3	11.1
Suicide	E950-959	8	1.3	4.5	6	1.9	5.2	2	.7	3.2
Homicide	E960-969	8	1.3	4.5	1	.3	.9	7	2.3	11.1
All Other Causes		45	7.3	25.1	28	8.8	24.1	17	5.6	27.0
15 - 19										
All Causes		294	89.3	100.0	198	117.2	100.0	96	59.9	100.0
All Accidents	E800-949	163	49.5	55.4	123	72.8	62.1	40	25.0	41.7
Suicide	E950-959	45	13.7	15.3	35	20.7	17.7	10	6.2	10.4
Homicide	E960-969	21	6.4	7.1	7	4.1	3.5	14	8.7	14.6
Malignant Neoplasms	140-208,230-234	18	5.5	6.1	8	4.7	4.0	10	6.2	10.4
Diseases of the Heart	391-2.0, 393-8, 402, 404, 410-7, 420-9	6	1.8	2.0	6	3.6	3.0			
All Other Causes		41	12.5	13.9	19	11.2	9.6	22	13.7	22.9
20 - 24										
All Causes		381	110.8	100.0	300	170.0	100.0	81	48.4	100.0
All Accidents	E800-949	177	51.5	46.5	144	81.6	48.0	33	19.7	40.7
Suicide	E950-959	77	22.4	20.2	65	36.8	21.7	12	7.2	14.8
Homicide	E960-969	45	13.1	11.8	31	17.6	10.3	14	8.4	17.3
Malignant Neoplasms	140-208,230-234	13	3.8	3.4	10	5.7	3.3	3	1.8	3.7
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	12	3.5	3.1	9	5.1	3.0	3	1.8	3.7
All Other Causes		57	16.6	15.0	41	23.2	13.7	16	9.6	19.8
25 - 34										
All Causes		951	118.7	100.0	677	164.0	100.0	274	70.5	100.0
All Accidents	E800-949	325	40.6	34.2	251	60.8	37.1	74	19.0	27.0
Suicide	E950-959	155	19.3	16.3	126	30.5	18.6	29	7.5	10.6
Malignant Neoplasms	140-208,230-234	109	13.6	11.5	55	13.3	8.1	54	13.9	19.7
Homicide	E960-969	62	7.7	6.5	40	9.7	5.9	22	5.7	8.0
Human Immunodeficiency Virus	042-044	53	6.6	5.6	51	12.4	7.5	2	.5	.7
All Other Causes		247	30.8	26.0	154	37.3	23.7	93	23.9	33.9

Table 2 (continued)

Deaths with Rates[1] and Percent[2] by Age Group and Sex by Leading Causes, Washington State Residents 1987

	International List Number	Total			Male			Female		
		Number	Rate	Percent[3]	Number	Rate	Percent[3]	Number	Rate	Percent[3]
35 - 44										
All Causes		1,173	167.3	100.0	810	229.1	100.0	363	104.5	100.0
Malignant Neoplasms	140-208,230-234	285	40.7	24.3	132	37.3	16.3	153	44.0	42.1
All Accidents	E800-949	211	30.1	18.0	164	46.4	20.2	47	13.5	12.9
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	181	25.8	15.4	147	41.6	18.1	34	9.8	9.4
Suicide	E950-959	118	16.8	10.1	104	29.4	12.8	14	4.0	3.9
Human Immunodeficiency Virus	042-044	67	9.6	5.7	66	18.7	8.1	1	.3	.3
All Other Causes		311	26.5	26.5	197	55.7	24.3	114	32.8	31.4
45 - 54										
All Causes		1,691	390.1	100.0	1,066	481.5	100.0	625	294.7	100.0
Malignant Neoplasms	140-208,230-234	628	144.9	37.1	319	144.1	29.9	309	145.7	49.4
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	445	102.7	26.3	343	154.9	32.2	102	48.1	16.3
All Accidents	E800-949	104	24.0	6.2	85	38.4	8.0	19	9.0	3.0
Suicide	E950-959	80	18.5	4.7	54	24.4	5.1	26	12.3	4.2
Cirrhosis of Liver	571	71	16.4	4.2	45	20.3	4.2	26	12.3	4.2
All Other Causes		363	83.7	21.5	220	99.4	20.6	143	67.4	22.9
55 - 64										
All Causes		4,108	1076.1	100.0	2,472	1344.2	100.0	1,636	826.9	100.0
Malignant Neoplasms	140-208,230-234	1,592	417.0	38.8	864	469.8	35.0	728	367.9	44.5
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	1,199	314.1	29.2	834	453.5	33.7	365	184.5	22.3
Chronic Obstructive Pulmonary Diseases	490-496	208	54.5	5.1	115	62.6	4.7	93	47.0	5.7
Cerebrovascular Disease	430-438	168	44.0	4.1	84	45.7	3.4	84	42.5	5.1
All Accidents	E800-949	127	33.3	3.1	85	46.2	3.4	42	21.2	2.6
All Other Causes		814	213.2	19.8	490	266.4	19.8	324	163.8	19.8
65 - 74										
All Causes		7,994	2553.8	100.0	4,671	3261.9	100.0	3,323	1956.8	100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	2,651	846.9	33.2	1,704	1189.9	36.5	947	557.6	28.5
Malignant Neoplasms	140-208,230-234	2,605	832.2	32.6	1,453	1014.7	31.1	1,152	678.4	34.7
Chronic Obstructive Pulmonary Diseases	490-496	597	190.7	7.5	324	226.3	6.9	273	160.8	8.2
Cerebrovascular Disease	430-438	482	154.0	6.0	247	172.5	5.3	235	138.4	7.1
Diabetes Mellitus	250	178	56.9	2.2	93	64.9	2.0	85	50.1	2.6
All Other Causes		1,481	473.1	18.5	850	593.6	18.2	631	371.6	19.0
75 - 84										
All Causes		9,617	5968.6	100.0	4,868	7745.3	100.0	4,747	4830.3	100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	3,604	2236.8	37.5	1,825	2903.7	37.5	1,778	1809.2	37.5
Malignant Neoplasms	140-208,230-234	2,097	1301.5	21.8	1,153	1834.5	23.7	944	960.6	19.9
Cerebrovascular Disease	430-438	937	581.5	9.7	367	583.9	7.5	570	580.0	12.0
Chronic Obstructive Pulmonary Diseases	490-496	632	392.2	6.6	378	601.4	7.8	254	258.5	5.4
Influenza and Pneumonia	480-487	320	198.6	3.3	167	265.7	3.4	153	155.7	3.2
All Other Causes		2,027	1258.0	21.1	978	1556.1	20.1	1,048	1066.4	22.1
85 and Over										
All Causes		7,753	14598.0	100.0	2,544	16813.2	100.0	5,209	13715.5	100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	3,223	6068.5	41.6	1,044	6899.7	41.0	2,179	5737.4	41.8
Cerebrovascular Disease	430-438	956	1800.0	12.3	224	1480.4	8.8	732	1927.4	14.1
Malignant Neoplasms	140-208,230-234	826	1555.3	10.7	327	2161.1	12.9	499	1313.9	9.6
Influenza and Pneumonia	480-487	572	1077.0	7.4	205	1354.8	8.1	367	966.3	7.0
Chronic Obstructive Pulmonary Diseases	490-496	248	466.9	3.2	136	898.8	5.3	112	294.9	2.2
All Other Causes		1,928	3630.2	24.9	608	4018.2	23.9	1,320	3475.6	25.3
Age Unknown										
All Causes		9		100.0	7		100.0	2		100.0
Homicide	E960-969	5		55.6	3		42.9	2		100.0
Undetermined External Injuries	E980-989	2		22.2	2		28.6			
All Accidents	E800-949	1	11.1	1	14.3					
All Other Causes		1	11.1	1	14.3					

*Total includes 2 sex(es) unknown.

[1] Rate Per 100,000 population in each age - sex group.

[2] Percent of total deaths in each age - sex group.

[3] Detail may not add up to 100 percent due to rounding.

Table 3

Deaths with Rates[1] by Selected Causes by Sex, Washington State Residents 1987

Cause with International List Number	Total		Male		Female		Unknown
	Number	Rate	Number	Rate	Number	Rate	
Total All Causes	[34,967]	[780.3]	[18,208]	[816.1]	[16,757]	[744.7]	[2]
Infectious and Parasitic Diseases	[488]	[10.9]	[326]	[14.6]	[162]	[7.2]	
Tuberculosis (010-018, 137)	24	.5	12	.5	12	.5	
Septicemia (038)	189	4.2	97	4.3	92	4.1	
Human Immunodeficiency Virus (042-044)	163	3.6	159	7.1	4	.2	
Other (000-139)	112	2.5	58	2.6	54	2.4	
Neoplasms	[8,305]	[185.3]	[4,390]	[196.8]	[3,915]	[174.0],	
Malignant Neoplasms (140-208,230-234)	8,208	183.2	4,343	194.7	3,865	171.8	
Benign and Unspecified Neoplasms (210-229,235-239)	97	2.2	47	2.1	50	2.2	
Endocrine, Nutritional, Metabolic Diseases, and Immunity Disorders	[838]	[18.7]	[372]	[16.7]	[466]	[20.7]	
Diabetes Mellitus (250)	646	14.4	281	12.6	365	16.2	
Nutitional Deficiencies (260-269)	45	1.0	20	.9	25	1.1	
Other (240-279)	147	3.3	71	3.2	76	3.4	
Diseases of Blood and Blood-forming Organs	[148]	[3.3]	[60]	[2.7]	[88]	[3.9]	
Anemia (280-285)	59	1.3	18	.8	41	1.8	
Other (286-289)	89	2.0	42	1.9	47	2.1	
Mental Disorders	[513]	[11.4]	[207]	[9.3]	[306]	[13.6]	
Alcohol-related (291,303,305)	96	2.1	71	3.2	25	1.1	
Other (290-319)	417	9.3	136	6.1	281	12.5	
Diseases of the Nervous System and Sense Organs	[869]	[19.4]	[398]	[17.8]	[470]	[20.9]	[1]
Parkinson's Disease (332)	161	3.6	87	3.9	73	3.2	1
Amyotrophic Lateral Sclerosis (335.2)	65	1.5	30	1.3	35	1.6	
Other Hereditary and Degenerative Diseases of the Central Nervous System (330-337)	412	9.2	166	7.4	246	10.9	
Multiple Sclerosis (340)	45	1.0	11	.5	34	1.5	
Other (320-326,340-389)	186	4.2	104	4.7	82	3.6	
Diseases of the Circulatory System	[15,133]	[337.7]	[7,494]	[335.9]	[7,638]	[339.5]	[1]
Diseases of the Heart (391-392.0,393-398,402,404,410-417,420-429)							
Chronic Rheumatic Heart Disease (391-392.0,393-398)	93	2.1	28	1.3	65	2.9	
Hypertensive Heart Disease (402)	281	6.3	112	5.0	169	7.5	
Hypertensive Heart and Renal Disease (404)	26	.6	8	.4	18	.8	
Acute Ischemic Heart Disease (410,411)	3,408	76.1	1,946	87.2	1,462	65.0	
Chronic Ischemic Heart Disease (412-414)	3,846	85.8	2,064	92.5	1,781	79.2	1
Other Heart Disease (415-417,420-429)	3,743	83.5	1,803	80.8	1,940	86.2	
Hypertensive Disease (401-403)	115	2.6	56	2.5	59	2.6	
Cerebrovascular Disease (430-438)	2,653	59.2	978	43.8	1,675	74.4	
Arteriosclerosis (440)	445	9.9	175	7.8	270	12.0	
Other (390-459)	523	11.7	324	14.5	199	8.8	
Diseases of the Respiratory System	[3,236]	[72.2]	[1,670]	[74.9]	[1,566]	[69.6]	
Chronic and Unqualified Bronchitis (490-491)	43	1.0	19	.9	24	1.1	
Emphysema (492)	244	5.4	151	6.8	93	4.1	
Asthma (493)	103	2.3	36	1.6	67	3.0	
Other Chronic Obstructive Pulmonary Diseases (494-496)	1,347	30.1	770	34.5	577	25.6	
Pneumonia (480-486)	1,088	24.3	486	21.8	602	26.8	
Influenza (487)	22	.5	9	.4	13	.6	
Other (460-478,500-519)	389	8.7	199	8.9	190	8.4	

[1] Rates per 100,000 estimated population

Table 3 (continued)

Deaths with Rates[1] by Selected Causes by Sex, Washington State Residents 1987

Cause with International List Number	Total		Male		Female		Unknown
	Number	Rate	Number	Rate	Number	Rate	
Diseases of the Digestive System	[1,256]	[28.0]	[609]	[27.3]	[647]	[28.8]	
Ulcer Of Stomach and Duodenum (531-533)	130	2.9	63	2.8	67	3.0	
Hernia and Intestinal Obstruction (550-553,560)	108	2.4	39	1.7	69	3.1	
Cirrhosis of the Liver (571)	412	9.2	252	11.3	160	7.1	
Cholelithiasis, Cholecystitis, and Cholangitis (574-576)	60	1.3	26	1.2	34	1.5	
Other (520-579)	546	12.2	229	10.3	317	14.1	
Diseases of the Genitourinary System	[393]	[8.8]	[174]	[7.8]	[219]	[9.7]	
Nephritis, Nephrotic Syndrome, and Nephrosis (580-589)	202	4.5	94	4.2	108	4.8	
Other (590-629)	191	4.3	80	3.6	111	4.9	
Complications of Pregnancy, Childbirth, and the Puerperium (630-676)	[3]	]			[3]	]	
Diseases of the Skin and Subcutaneous Tissue (680-709)	[41]	[.9]	[14]	[.6]	[27]	[1.2]	
Diseases of the Musculoskeletal System and Connective Tissue (710-739)	[125]	[2.8]	[37]	[1.7]	[88]	[3.9]	
Congenital Anomalies (740-759)	[269]	[6.0]	[134]	[6.0]	[135]	[6.0]	
Birth Injuries, Difficult Labor, and Other Anoxic and Hypoxic Conditions (763,767-769)	[97]	[2.2]	[64]	[2.9]	[33]	[1.5]	
Other Causes of Mortality in Early Infancy (760-762,764-766,770-779)	[169]	[3.8]	[103]	[4.6]	[66]	[2.9]	
Symptoms, Signs, and Other Ill-defined Conditions	[311]	[6.9]	[169]	[7.6]	[142]	[6.3]	
Sudden Infant Death Syndrome (798.0-798.1)	186	4.2	118	5.3	68	3.0	
Other (780-799)	125	2.8	51	2.3	74	3.3	
Accidents	[1,688]	[37.7]	[1,168]	[52.4]	[520]	[23.1]	
Motor Vehicle (E810-825,E9290)	869	19.4	604	27.1	265	11.8	
Water Transport (E830-838)	35	.8	34	1.5	1		
Air and Space Transport (E840-845)	36	.8	28	1.3	8	.4	
Accidental Poisoning (E850-869,E9292)	103	2.3	73	3.3	30	1.3	
Falls (E880-888, E9293)	252	5.6	130	5.8	122	5.4	
Fire (E890-899,E9294)	60	1.3	42	1.9	18	.8	
Accidental Drowning (E910)	80	1.8	67	3.0	13	.6	
Other (E800-949)	253	5.6	190	8.5	63	2.8	
Suicide	[707]	[15.8]	[564]	[25.3]	[143]	[6.4]	
Firearms and Explosives (E955)	377	8.4	330	14.8	47	2.1	
Other (E950-954,E956-959)	330	7.4	234	10.5	96	4.3	
Homicide	[263]	[5.9]	[168]	[7.5]	[95]	[4.2]	
Firearms and Explosives (E965)	128	2.9	90	4.0	38	1.7	
Other (E960-964,E966-969)	135	3.0	78	3.5	57	2.5	
Legal Intervention (E979-978)	[5]	[.1]	[5]	[.2]			
Undetermined External Injuries (E980-989)	[112]	[2.5]	[82]	[3.7]	[30]	[1.3]	

[1] Rates per 100,000 estimated population

Table 4

Deaths Due to Malignant Neoplasm by Primary Site with Rates[1] By Sex, Washington State Residents 1987

	Total[2]		Male		Female		
Cause with International List Number	Number	Rate	Number	Rate	Number	Rate	Unknown
Total All Causes	[8,208]	[183.2]	[4,343]	[194.7]	[3,865]	[171.8]	
Lip, Oral Cavity, and Pharynx (140-149,230.0)	[124]	[2.8]	[70]	[3.1]	[54]	[2.4]	
Digestive Organs and Peritoneum (150-159,230.1-230.9)	[1,978]	[44.1]	[1,034]	[46.3]	[944]	[42.0]	
Esophagus (150,230.1)	164	3.7	112	5.0	52	2.3	
Stomach (151,230.2)	252	5.6	154	6.9	98	4.4	
Small Intestine, including Duodenum (152)	19	.4	10	.4	9	.4	
Colon (153,230.3)	784	17.5	384	17.2	400	17.8	
Rectum (154,230.4-230.6)	115	2.6	64	2.9	51	2.3	
Liver And Intrahepatic Ducts (155,230.8)	120	2.7	66	3.0	54	2.4	
Gallbladder and Extrahepatic Bile Ducts (156)	61	1.4	25	1.1	36	1.6	
Pancreas (157)	411	9.2	197	8.8	214	9.5	
Retroperitoneum and Peritoneum (158)	12	.3	5	.2	7	.3	
Other And Ill-defined Sites (159,230.7,230.9)	40	.9	17	.8	23	1.0	
Respiratory and Intrathoracic Organs (160-165,231)	[2,391]	[53.4]	[1,506]	[67.5]	[885]	[39.3]	
Lung (162,231.1,231.2)	2,312	51.6	1,442	64.6	870	38.7	
Other and Ill-defined Sites (160-161,163-165,231.0,231.8,231.9)	79	1.8	64	2.9	15	.7	
Bone, Connective Tissue, Skin and Breast (170-175,232,233.0)	[899]	[20.1]	[154]	[6.9]	[745]	[33.1]	
Bone and Articular Cartilage (170)	15	.3	10	.4	5	.2	
Connective Tissue and Other Soft Tissue (171)	50	1.1	37	1.7	13	.6	
Skin (172-173,232)	153	3.4	99	4.4	54	2.4	
Breast (174,175,233.0)	681	15.2	8	.4	673	29.9	
Genital Organs (179-187,233.1-233.6)	[943]	[21.0]	[534]	[23.9]	[409]	[18.2]	
Urinary Organs (188-189,233.7-233.9)	[341]	[7.6]	[215]	[9.6]	[126]	[5.6]	
Brain (191)	[234]	[5.2]	[132]	[5.9]	[102]	[4.5]	
Other and Ill-defined Sites (190,192-199,234)	[508]	[11.3]	[262]	[11.7]	[246]	[10.9]	
Lymphatic and Hematopoietic Tissue (200-208)	[790]	[17.6]	[436]	[19.5]	[354]	[15.7]	
Lymphosarcoma (200)	120	2.7	67	3.0	53	2.4	
Hodgkins Disease (201)	30	.7	19	.9	11	.5	
Lymphoid and Histiocytic Tissue (202)	177	3.9	93	4.2	84	3.7	
Multiple Myeloma and Immunoproliferative Tissue (203)	141	3.1	74	3.3	67	3.0	
Lymphoid Leukemia (204)	81	1.8	43	1.9	38	1.7	
Myeloid Leukemia (205)	173	3.9	97	4.3	76	3.4	
Monocytic Leukemia (206)	8	.2	3	.1	5	.2	
Other and Unspecified Leukemia (207-208)	60	1.3	40	1.8	20	.9	

[1] Rates per 100,000 estimated population

[2] Group totals are shown in brackets

Table 5

Deaths by Non-transport Causes by Place of Accident, Washington State Residents 1987

Cause of Death	Total	Home	Nursing Home	Agriculture	Industry	Prison	Public	Unknown
State Total	730	334	57	36	24		172	107
Poisoning by Drugs, Medicaments and Biologicals (E850-E858)	76	53					13	10
Poisoning By Other Solid and Liquid Substances, Gases and Vapors (E860-E869)	27	16		1			10	
Misadventures and Abnormal Reactions Due to Surgical and Medical Care (E870-E879)	36	2	1				6	27
Falls (E880-E888)	249	127	49	2	6		33	32
Falls on Stairs and Ladders (E880,E881)	32	25			2		5	
Falls from One Level to Another (E882-E884)	57	15	19	2	4		16	1
Falls on Same Level (E885,E886)	9	6	1				1	1
Other and Unspecified Falls (E887,E888)	151	81	29				11	30
Fire (E890-E899)	60	55					4	1
Natural and Environmental Factors (E900-E909)	9	1		1			6	1
Drowning, excluding Submersion following Boating Accidents (E910)	80	17					62	1
Inhalation and Ingestion of Food Or Other Object Causing Suffocation and Obstruction (E911,E912)	39	6	2				5	26
Mechanical Suffocation (E913)	31	19	3	1	2		6	
Foreign Body Entering Other Orifice (E914,E915)								
Struck by, Against or Between Objects (E916-E918)	38	7		19	3		8	1
Machinery (E919,E920)	33	9		9	9		6	
Explosion and Explosive Material (E921,E923)	3	1		1	1			
Firearms (E922)	20	13					7	
Hot Substance, Corrosive Liquid and Steam (E924)	3	3						
Electricity (E925)	8	2		1	3		1	1
Other and Unspecified Non Transport Accidents (E926-E949)	18	3	2	1			5	7

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Table 6

Deaths with Rates[1] by Place of Residence and Occurrence, Washington State 1987

County and City	Residence		Occurrence	
	Total	Rate	Total	Rate
State Total	34,967	7.8	35,190	7.9
Adams	100	7.1	89	6.4
Asotin	163	9.5	142	8.3
Benton	659	6.3	649	6.2
Kennewick	289	7.7	295	7.9
Richland	202	6.7	256	8.5
Chelan	431	8.9	579	11.9
Wenatchee	221	12.0	438	23.7
Clallam	589	11.0	521	9.8
Port Angeles	213	12.3	339	19.6
Clark	1,486	7.1	1,320	6.3
Vancouver	591	13.6	1,122	25.9
Columbia	41	10.0	33	8.0
Cowlitz	713	9.0	748	9.4
Kelso	126	11.8	33	3.1
Longview	349	11.8	649	22.0
Douglas	189	8.0	72	3.1
Ferry	48	8.0	30	5.0
Franklin	239	6.7	205	5.8
Pasco	175	9.4	189	10.2
Garfield	23	9.6	24	10.0
Grant	363	7.0	308	5.9
Moses Lake	98	9.2	129	12.2
Grays Harbor	697	11.1	591	9.4
Aberdeen	242	14.2	394	23.2
Island	397	7.6	292	5.6
Oak Harbor	83	5.9	64	4.6
Jefferson	173	9.6	148	8.2
King	10,226	7.4	11,139	8.0
Auburn	288	9.5	360	11.9
Bellevue	479	5.8	533	6.5
Des Moines	123	8.9	202	14.6
Kent	179	5.9	136	4.5
Kirkland	204	10.5	408	21.0
Mercer Island	114	5.5	92	4.4
Redmond	130	4.3	226	7.5
Renton	267	7.6	563	15.9
Seattle	5,188	10.6	7,815	15.9
Kitsap	1,129	6.7	1,047	6.2
Bremerton	372	11.5	675	20.8
Kittitas	196	7.8	199	7.9
Ellensburg	93	8.1	149	13.0
Klickitat	137	8.3	109	6.6
Lewis	569	10.0	492	8.6
Centralia	207	17.5	232	19.6
Lincoln	123	12.7	88	9.1
Mason	303	8.4	213	5.9
Okanogan	294	9.3	283	9.0
Pacific	262	15.1	208	12.0
Pend Oreille	87	9.8	63	7.1
Pierce	4,060	7.5	4,156	7.7
Puyallup	231	11.6	645	32.5
Tacoma	1,769	11.1	2,894	18.2
San Juan	80	8.7	56	6.1
Skagit	685	9.9	698	10.0
Anacortes	138	13.6	168	16.5
Mount Vernon	172	11.9	276	19.2
Skamania	64	8.2	32	4.1
Snohomish	2,695	6.8	2,447	6.2
Edmonds	281	9.9	429	15.2
Everett	663	11.0	1,063	17.7
Lynnwood	203	8.4	168	6.9
Mountlake Terrace	90	5.6	37	2.3
Spokane	3,126	8.8	3,635	10.2
Spokane (city)	2,008	11.7	3,419	19.9
Stevens	248	8.2	193	6.4
Thurston	1,065	7.3	1,143	7.9
Lacey	186	11.7	156	9.8
Olympia	365	12.3	858	29.0
Wahkiakum	37	10.3	18	5.0
Walla Walla	509	10.5	594	12.3
Walla Walla (city)	315	12.4	522	20.5
Whatcom	910	7.8	908	7.7
Bellingham	482	10.4	710	15.3
Whitman	244	6.2	163	4.2
Pullman	55	2.5	54	2.4
Yakima	1,607	8.7	1,555	8.4
Yakima (city)	617	12.4	1,125	22.7

[1] Rates per 1,000 population.

Table 7

Deaths by Sex and Race by Place of Residence, Washington State 1987

County and City	Total	Male	Female	Unknown	White	Black	Mexican/ Chicano	Indian	Japan- ese	Chinese	Filipino	Other Asian	Other	Unknown
State Total	34,967	18,208	16,757	2	33,255	748	99	344	115	68	128	198	3	9
Adams	100	53	47		99		1							
Asotin	163	86	77		160	1		2						
Benton	659	361	297	1	644	4	2	1	2	2		4		
Kennewick	289	149	140		284		2			1		2		
Richland	202	109	92	1	195	4			1	1		1		
Chelan	431	229	202		423	5	2	1						
Wenatchee	221	109	112		214	5	2							
Clallam	589	319	270		573	1		15						
Port Angeles	213	106	107		212			1						
Clark	1,486	810	676		1,470	6	1	3		1	2	3		
Vancouver	591	298	293		582	3		2		1	1	2		
Columbia	41	24	17		41									
Cowlitz	713	364	349		706	1	1	2				3		
Kelso	126	72	54		125		1							
Longview	349	162	187		344	1		1				3		
Douglas	189	114	75		187	1	1							
Ferry	48	25	23		37			11						
Franklin	239	128	111		210	12	14	1		2				
Pasco	175	90	85		151	12	11			1				
Garfield	23	15	8		23									
Grant	363	209	154		354	2	3		2	1		1		
Moses Lake	98	57	41		97				1					
Grays Harbor	697	358	339		686			11						
Aberdeen	242	109	133		238			4						
Island	397	207	190		388	3	2	1		1	1	1		
Oak Harbor	83	40	43		79	3	1							
Jefferson	173	108	65		169	1		2						1
King	10,226	5,145	5,080	1	9,377	455	8	70	76	50	87	102		1
Auburn	288	146	142		281			3			3	1		
Bellevue	479	224	255		451	4			10	3	1	10		
Des Moines	123	46	77		120	2						1		
Kent	179	89	90		172	2	1	2	1			1		
Kirkland	204	92	112		201				1	1		1		
Mercer Island	114	51	63		108				2	3	1			
Redmond	130	65	65		127	1						2		
Renton	267	132	135		253	7		2	1	1	1	2		
Seattle	5,188	2,602	2,585	1	4,512	400	6	44	53	39	70	63		1
Kitsap	1,129	583	546		1,090	11		12	3	3	4	6		
Bremerton	372	172	200		357	6		5	1		1	2		
Kittitas	196	108	88		195			1						
Ellensburg	93	47	46		93									
Klickitat	137	79	58		131		1	4					1	
Lewis	569	294	275		569									
Centralia	207	89	118		207									
Lincoln	123	69	54		123									
Mason	303	174	129		295			8						
Okanogan	294	175	119		268		2	23			1			
Pacific	262	142	120		256			4	1			1		
Pend Oreille	87	52	35		86			1						
Pierce	4,060	2,092	1,968		3,774	173	2	27	14	2	17	48	1	2
Puyallup	231	105	126		227			2			2			
Tacoma	1,769	871	898		1,591	122	1	19	4	2	5	24	1	
San Juan	80	44	36		79					1				
Skagit	685	335	350		676	1		7	1					
Anacortes	138	63	75		136			2						
Mount Vernon	172	79	93		171	1								
Skamania	64	44	20		64									
Snohomish	2,695	1,420	1,275		2,644	7	2	19	4	3	1	14		1
Edmonds	281	129	152		278				2			1		
Everett	663	340	323		649	2		5				7		
Lynnwood	203	112	91		196	2		1		1		3		
Mountlake Terrace	90	50	40		88					2				
Spokane	3,126	1,663	1,463		3,045	35		25	11	1	2	6		1
Spokane (city)	2,008	1,043	965		1,938	30		22	10	1	1	5		1
Stevens	248	124	124		238			9						1
Thurston	1,065	541	524		1,044	5		4	1	1	3	7		
Lacey	186	77	109		184	1						1		
Olympia	365	174	191		356	1		3	1	1	1	2		
Wahkiakum	37	18	19		36			1						
Walla Walla	509	261	248		503	3		1			1	1		
Walla Walla (city)	315	166	149	312	2				1					
Whatcom	910	459	451	890	1	2	17							
Bellingham	482	241	241	477	1		4							
Whitman	244	132	112	241	2				1					
Pullman	55	28	27	54					1					
Yakima	1,607	844	763	1,461	18	55	61	9		1	2			
Yakima (city)	617	285	332	588	11	13	2	2			1			

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Table 8

Deaths by Age Group by Place of Residence, Washington State 1987

County and City	Total	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 And Over	Age Unk
State Total	34,967	681	136	179	294	381	951	1,173	1,691	4,108	7,994	9,617	7,753	9
Adams	100	2			2	1	1	5	8	13	23	25	20	
Asotin	163	8					5	8	7	14	33	44	44	
Benton	659	17	4	4	6	8	21	13	32	104	161	187	102	
Kennewick	289	10	3	2	2	5	12	5	9	40	70	87	44	
Richland	202	6	1		1	3	4	5	9	37	45	61	30	
Chelan	431	10	2	2	7	6	8	10	14	32	105	128	107	
Wenatchee	221	6	1	1	3	5	6	4	12	54	64	65		
Clallam	589	14	3	3	10	7	8	20	29	69	142	162	122	
Port Angeles	213	4	1	5	3	3	11	9	21	39	64	53		
Clark	1,486	16	7	6	19	20	30	57	78	193	353	423	284	
Vancouver	591	5	3	1	9	11	7	16	33	77	124	171	134	
Columbia	41						1		5	8	13	14		
Cowlitz	713	9	1	7	12	19	21	30	81	159	192	181	1	
Kelso	126	3	1		4	5	3	6	18	26	30	30		
Longview	349	3		5	2	10	12	12	32	80	97	96		
Douglas	189	2		2	3	4	4	8	6	15	53	61	31	
Ferry	48	1			2	2	2	2	1	5	12	8	13	
Franklin	239	2	2	2	3	9	11	8	12	34	54	61	41	
Pasco	175	2	1	1	1	7	8	4	8	21	46	45	31	
Garfield	23				1			1			10	8	3	
Grant	363	10	4	5	4	7	9	9	17	49	82	100	67	
Moses Lake	98	4	1	1	1	2	5	5	21	23	19	16		
Grays Harbor	697	12	1	3	4	3	11	18	25	87	189	202	142	
Aberdeen	242	4	1	1	2	5	8	6	26	65	65	59		
Island	397	4	2	2	3	1	5	10	12	51	131	110	66	
Oak Harbor	83	2	1	1	1	3	3	15	25	14	18			
Jefferson	173	2		4	1	3	2	7	5	16	49	42	42	
King	10,226	188	35	50	64	84	322	381	525	1,175	2,252	2,793	2,353	4
Auburn	288	4	3		2	2	5	10	15	41	68	87	51	
Bellevue	479	11		1	3	6	19	13	23	63	117	122	101	
Des Moines	123				1	1	3	3	5	7	21	30	52	
Kent	179	7	1	1	3	3	9	2	15	17	51	46	24	
Kirkland	204	2		1		2	6	4	9	24	48	52	56	
Mercer Island	114		1	1	2	1		1	8	12	25	32	31	
Redmond	130	3		1	1	4	5	5	6	16	26	37	26	
Renton	267	11	2				7	6	11	41	64	66	59	
Seattle	5,188	80	14	15	19	35	172	195	214	532	1,082	1,494	1,334	2
Kitsap	1,129	27	3	3	8	12	29	46	64	138	257	309	233	
Bremerton	372	12	2	1	1	7	14	14	13	38	78	96	96	
Kittitas	196	4	1	1	1	2	4	7	10	21	54	55	36	
Ellensburg	93	3	3	4	2	6	21	30	24					
Klickitat	137	2				5	6	7	6	12	31	37	31	
Lewis	569	8	3	2	6	7	11	11	18	61	147	151	144	
Centralia	207	1	3	1	4	6	17	49	52	74				
Lincoln	123		1	2	1	1	2	2	8	16	21	26	43	
Mason	303	3	1	2	4	3	10	9	14	34	95	70	58	
Okanogan	294	7		2	6	4	8	11	8	28	72	78	70	
Pacific	262			3	2	4	7	7	4	32	62	89	52	
Pend Oreille	87			1		3	1		4	8	30	30	10	
Pierce	4,060	110	22	20	37	50	121	142	222	530	934	1,034	836	2
Puyallup	231	4			1	1	1	6	14	17	47	67	73	
Tacoma	1,769	48	6	6	14	19	50	55	83	206	383	463	436	
San Juan	80						1	2	4	12	17	28	16	
Skagit	685	13	2	1	4	5	10	26	36	74	156	187	171	
Anacortes	138	1	1	2	1	2		6	13	24	49	39		
Mount Vernon	172	2			1	2	5	10	18	31	43	60		
Skamania	64			1	1		3	4	7	5	13	19	11	
Snohomish	2,695	73	17	16	23	26	79	94	143	329	587	724	583	1
Edmonds	281	2	2	2			2	8	8	37	53	89	78	
Everett	663	22	6	5	4	6	25	19	26	75	135	184	156	
Lynnwood	203	7	1		2	2	6	8	11	26	47	48	45	
Mountlake Terrace	90	5	1			1		7	8	19	15	27	7	
Spokane	3,126	64	7	17	25	32	89	92	148	358	640	896	758	
Spokane (city)	2,008	36	6	5	12	19	55	53	85	222	397	600	518	
Stevens	248	3		3	4	3	9	10	8	25	62	63	58	
Thurston	1,065	13	5	7	8	11	18	42	42	137	253	282	247	
Lacey	186	2	1		1		1	3	4	23	29	58	64	
Olympia	365	3	1	1	2	2	7	16	7	39	80	108	99	
Wahkiakum	37							3	1	10	17	6		
Walla Walla	509	11	1	3	3	16	11	16	44	110	153	141		
Walla Walla (city)	315	7	1	1	3	8	9	11	30	63	104	78		
Whatcom	910	18	4	1	6	14	21	22	32	91	213	263	225	
Bellingham	482	6	1	1	7	9	10	12	50	102	155	129		
Whitman	244	4	1	4	9	6	13	22	50	80	55			
Pullman	55	2	1	5	3	4	3	11	15	11				
Yakima	1,607	24	9	12	19	25	39	43	80	187	364	467	337	1
Yakima (city)	617	6	2	1	4	7	10	14	29	71	127	190	156	

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Table 9

Deaths by Month of Occurrence by Place of Residence, Washington State 1987

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Unknown
State Total	34,967	3,131	2,683	3,095	2,898	2,883	2,913	2,785	2,802	2,745	2,938	2,945	3,148	1
Adams	100	12	7	11	7	12	5	8	10	7	6	9	6	
Asotin	163	11	11	8	27	10	14	16	14	16	8	14	14	
Benton	659	59	58	52	54	67	53	49	43	58	61	43	62	
Kennewick	289	28	23	16	25	28	32	20	21	23	32	14	27	
Richland	202	14	20	23	10	24	13	16	16	21	16	14	15	
Chelan	431	43	31	40	43	38	41	28	29	29	38	30	41	
Wenatchee	221	21	17	24	22	24	20	13	15	13	18	11	23	
Clallam	589	42	41	43	44	56	37	48	47	57	65	50	59	
Port Angeles	213	15	18	12	13	15	14	20	16	22	27	17	24	
Clark	1,486	144	97	139	126	102	140	128	106	121	133	111	139	
Vancouver	591	64	55	51	56	47	54	51	36	50	51	38	38	
Columbia	41	5	5	2	4	2	4	1	2	6	5	2	3	
Cowlitz	713	70	48	63	53	64	60	48	61	57	55	60	74	
Kelso	126	12	8	8	12	8	9	6	16	10	9	10	18	
Longview	349	30	28	35	25	27	29	24	25	28	30	34	34	
Douglas	189	14	17	18	13	17	18	10	21	14	21	13	13	
Ferry	48	5	3	4	4	5	2	5	2	5	3	6	4	
Franklin	239	18	21	13	26	20	22	19	24	13	18	24	21	
Pasco	175	10	14	10	22	13	19	14	17	10	16	15	15	
Garfield	23			1	4	3	1	2	1	2	2	3	4	
Grant	363	29	19	34	36	37	26	38	25	34	25	28	32	
Moses Lake	98	8	8	7	13	6	7	10	5	12	5	11	6	
Grays Harbor	697	65	43	58	52	59	66	61	54	65	60	45	69	
Aberdeen	242	27	15	15	23	23	15	23	27	18	23	15	18	
Island	397	33	35	34	32	38	33	27	35	18	30	38	44	
Oak Harbor	83	7	5	8	5	11	3	3	9	2	7	11	12	
Jefferson	173	15	14	9	12	17	15	12	14	14	13	16	22	
King	10,226	950	830	937	842	815	876	786	830	730	860	875	895	
Auburn	288	26	28	27	23	18	23	27	20	24	24	22	26	
Bellevue	479	43	24	53	45	25	40	42	45	32	29	48	53	
Des Moines	123	13	10	8	6	11	14	3	11	8	16	9	14	
Kent	179	18	14	21	22	4	9	16	15	15	13	15	17	
Kirkland	204	7	10	23	15	15	22	22	21	13	15	17	24	
Mercer Island	114	7	6	15	14	9	5	13	7	9	12	11	6	
Redmond	130	11	7	5	16	9	12	11	20	10	14	8	7	
Renton	267	31	26	22	22	11	23	20	22	19	26	25	20	
Seattle	5,188	494	438	501	411	445	445	391	385	359	428	448	443	
Kitsap	1,129	94	80	97	83	99	96	95	98	91	96	93	107	
Bremerton	372	36	26	35	24	23	35	29	36	29	32	27	40	
Kittitas	196	10	14	23	12	12	12	13	19	24	16	18	23	
Ellensburg	93	3	7	11	6	4	9	9	6	11	12	6	9	
Klickitat	137	10	8	7	15	13	10	12	14	12	10	15	11	
Lewis	569	63	39	56	47	39	48	35	42	48	51	44	57	
Centralia	207	22	20	20	15	12	19	9	16	10	17	25	22	
Lincoln	123	6	12	13	17	2	12	12	14	11	3	10	11	
Mason	303	22	26	22	28	19	34	22	24	29	28	27	22	
Okanogan	294	25	19	27	20	20	25	33	19	31	23	29	23	
Pacific	262	25	18	22	23	28	28	10	20	21	20	22	25	
Pend Oreille	87	5	8	10	8	10	7	8	4	7	7	8	5	
Pierce	4,060	387	305	352	336	342	366	312	326	320	329	330	354	1
Puyallup	231	23	19	20	20	12	21	17	15	24	27	19	14	
Tacoma	1,769	165	134	158	153	153	149	133	153	130	134	145	161	1
San Juan	80	3	8	6	9	6	7	5	5	9	10	7	5	
Skagit	685	56	65	50	53	50	53	62	59	58	57	60	62	
Anacortes	138	12	10	11	11	11	15	11	5	14	11	16	11	
Mount Vernon	172	14	14	11	15	16	14	22	19	16	10	6	15	
Skamania	64	6	9	7	4	4	5	6	7	1	5	3	7	
Snohomish	2,695	234	207	245	215	245	204	228	212	214	223	217	251	
Edmonds	281	32	26	24	18	24	27	29	24	17	21	18	21	
Everett	663	49	43	55	56	63	54	55	59	59	61	44	65	
Lynnwood	203	16	16	13	19	20	13	16	19	20	15	18	18	
Mountlake Terrace	90	8	8	11	6	6	5	10	8	6	6	7	9	
Spokane	3,126	277	242	273	256	270	233	270	245	261	285	261	253	
Spokane (city)	2,008	175	162	164	158	166	155	172	172	169	184	181	150	
Stevens	248	26	15	19	15	21	20	16	28	18	19	22	29	
Thurston	1,065	93	88	96	95	71	86	72	86	88	82	102	106	
Lacey	186	17	17	11	17	13	19	16	12	17	11	18	18	
Olympia	365	31	28	26	37	25	30	19	24	36	32	42	35	
Wahkiakum	37	1	2	6	2	2	3	3	1	4	4	2	7	
Walla Walla	509	46	36	39	57	52	44	39	40	41	38	48	29	
Walla Walla (city)	315	23	19	22	38	31	25	27	25	27	27	34	17	
Whatcom	910	76	64	77	74	71	65	82	71	74	67	93	96	
Bellingham	482	41	32	43	36	43	39	44	39	37	35	44	49	
Whitman	244	22	23	29	23	17	24	10	18	13	21	14	30	
Pullman	55	2	5	6	5	5	3	2	4	3	4	6	10	
Yakima	1,607	129	115	153	127	128	118	154	132	124	141	153	133	
Yakima (city)	617	54	46	59	59	47	47	47	57	40	50	61	50	

Table 10

Deaths with Rates[1] by Selected Disease Conditions by Place of Residence, Washington State 1987

County and City	Infectious and Parasitic Diseases		Diabetes Mellitus		Alcoholism		Diseases of the Heart		Cerebrovascular Disease	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	488	10.9	646	14.4	77	1.7	11,397	254.3	2,653	59.2
Adams	1	7.1	1	7.1			34	242.9	2	14.3
Asotin	1	5.8	3	17.4	2	11.6	54	314.0	14	81.4
Benton	3	2.9	12	11.5			219	210.4	51	49.0
Kennewick	1	2.7	4	10.7			85	227.8	30	80.4
Richland	2	6.6	4	13.2			81	267.5	11	36.3
Chelan	4	8.2	3	6.2			124	254.6	35	71.9
Wenatchee			2	10.8			65	351.7	15	81.2
Clallam	7	13.1	14	26.2	3	5.6	179	335.2	45	84.3
Port Angeles	6	34.8	7	40.6			56	324.4	17	98.5
Clark	15	7.1	34	16.2	3	1.4	486	231.5	109	51.9
Vancouver	9	20.7	13	30.0	1	2.3	190	437.9	44	101.4
Columbia			1	24.4			18	439.0	4	97.6
Cowlitz	6	7.6	6	7.6	2	2.5	254	320.7	49	61.9
Kelso	1	9.3	2	18.7			50	467.3	4	37.4
Longview	4	13.6	2	6.8			131	443.8	27	91.5
Douglas	2	8.5	3	12.8			59	251.1	11	46.8
Ferry	2	33.3					17	283.3	3	50.0
Franklin	4	11.3	12	33.8			68	191.5	11	31.0
Pasco	2	10.8	8	43.2			55	297.0	10	54.0
Garfield							10	416.7	3	125.0
Grant	1	1.9	6	11.5			112	215.0	30	57.6
Moses Lake			1	9.4			29	273.6	6	56.6
Grays Harbor	10	15.9	14	22.2	1	1.6	238	377.8	63	100.0
Aberdeen	3	17.6	9	52.9			77	452.9	24	141.2
Island	4	7.7	3	5.8	4	7.7	123	236.1	34	65.3
Oak Harbor	3	21.5	2	14.3	2	14.3	25	179.1	12	86.0
Jefferson	1	5.5	3	16.6			60	331.5	10	55.2
King	223	16.1	179	12.9	26	1.9	3,204	231.4	778	56.2
Auburn	6	19.8	4	13.2	1	3.3	93	307.3	23	76.0
Bellevue	6	7.3	10	12.2	2	2.4	143	174.2	34	41.4
Des Moines			2	14.5	1	7.3	45	326.3	5	36.3
Kent	2	6.6	1	3.3	1	3.3	50	166.2	10	33.2
Kirkland	3	15.4	3	15.4	1	5.1	67	344.8	16	82.3
Mercer Island							32	154.1	12	57.8
Redmond	1	3.3	2	6.6	1	3.3	37	122.3	10	33.0
Renton	4	11.3	7	19.8			87	246.0	23	65.0
Seattle	158	32.2	84	17.1	14	2.8	1,673	340.5	431	87.7
Kitsap	19	11.3	20	11.9	5	3.0	371	220.0	68	40.3
Bremerton	7	21.6	5	15.4	2	6.2	125	385.9	32	98.8
Kittitas	2	8.0	6	23.9			50	199.2	20	79.7
Ellensburg	1	8.7	2	17.4			25	217.4	10	87.0
Klickitat	1	6.1	3	18.2	1	6.1	40	242.4	6	36.4
Lewis	3	5.3	10	17.5	1	1.8	197	345.0	41	71.8
Centralia	3	25.4	4	33.8	1	8.5	64	541.0	18	152.2
Lincoln			1	10.3			44	453.6	12	123.7
Mason	3	8.3	6	16.7			94	261.1	10	27.8
Okanogan	2	6.3	4	12.7	1	3.2	98	310.1	30	94.9
Pacific	1	5.8	3	17.3			86	497.1	22	127.2
Pend Oreille			1	11.2			28	314.6	5	56.2
Pierce	59	11.0	70	13.0	10	1.9	1,326	246.5	327	60.8
Puyallup	6	30.3	7	35.3			85	428.6	19	95.8
Tacoma	25	15.7	32	20.1	7	4.4	593	373.2	153	96.3
San Juan			2	21.7			26	282.6	7	76.1
Skagit	9	12.9	12	17.3	2	2.9	221	318.0	68	97.8
Anacortes	1	9.8			1	9.8	43	423.2	18	177.2
Mount Vernon	1	6.9	4	27.8			63	437.5	20	138.9
Skamania	1	12.8					21	269.2	2	25.6
Snohomish	38	9.7	52	13.2	5	1.3	893	226.9	170	43.2
Edmonds	5	17.7	7	24.7			94	332.2	16	56.5
Everett	11	18.3	11	18.3	3	5.0	229	381.0	42	69.9
Lynnwood	1	4.1	4	16.5			71	292.7	13	53.6
Mountlake Terrace	1	6.2	2	12.5			30	186.8	2	12.5
Spokane	19	5.3	63	17.7	2	.6	1,081	303.7	257	72.2
Spokane (city)	13	7.6	39	22.7	1	.6	703	408.5	176	102.3
Stevens	2	6.6	3	9.9			78	258.3	22	72.8
Thurston	12	8.2	27	18.6	3	2.1	342	235.1	83	57.0
Lacey			3	18.9			68	429.3	26	164.1
Olympia	7	23.6	9	30.4	1	3.4	128	432.4	24	81.1
Wahkiakum			2	55.6			18	500.0	3	83.3
Walla Walla	8	16.6	17	35.2	1	2.1	192	397.5	29	60.0
Walla Walla (city)	7	27.5	13	51.1	1	3.9	120	472.1	18	70.8
Whatcom	8	6.8	16	13.7	2	1.7	301	256.8	61	52.0
Bellingham	7	15.1	11	23.7	1	2.2	155	334.3	34	73.3
Whitman	3	7.7	7	17.9			73	186.2	18	45.9
Pullman	2	9.0					14	62.9	1	4.5
Yakima	14	7.6	27	14.6	3	1.6	558	302.6	140	75.9
Yakima (city)	7	14.1	10	20.2	1	2.0	216	435.5	66	133.1

[1] Rates per 100,000 estimated population.

Table 11

Deaths with Rates[1] by Selected Disease Conditions by Place of Residence, Washington State 1987

County and City	General Arteriosclerosis		Influenza and Pneumonia		Chronic Obstructive Pulmonary Diseases		Cirrhosis of the Liver		Nephritis Nephrotic Syndrome Nephrosis	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	445	9.9	1,110	24.8	1,737	38.8	412	9.2	202	4.5
Adams	–	–	4	28.6	6	42.9	–	–	–	–
Asotin	4	23.3	5	29.1	5	29.1	2	11.6	–	–
Benton	4	3.8	9	8.6	48	46.1	2	1.9	5	4.8
Kennewick	4	10.7	3	8.0	19	50.9	1	2.7	3	8.0
Richland	–	–	4	13.2	13	42.9	1	3.3	2	6.6
Chelan	3	6.2	10	20.5	31	63.7	6	12.3	3	6.2
Wenatchee	1	5.4	5	27.1	17	92.0	2	10.8	3	16.2
Clallam	18	33.7	23	43.1	29	54.3	12	22.5	1	1.9
Port Angeles	10	57.9	8	46.3	12	69.5	4	23.2	–	–
Clark	10	4.8	55	26.2	81	38.6	16	7.6	5	2.4
Vancouver	5	11.5	26	59.9	39	89.9	4	9.2	2	4.6
Columbia	1	24.4	3	73.2	–	–	–	–	1	24.4
Cowlitz	6	7.6	17	21.5	31	39.1	12	15.2	4	5.1
Kelso	1	9.3	1	9.3	4	37.4	1	9.3	1	9.3
Longview	3	10.2	5	16.9	17	57.6	7	23.7	2	6.8
Douglas	–	–	8	34.0	11	46.8	3	12.8	1	4.3
Ferry	–	–	2	33.3	3	50.0	–	–	–	–
Franklin	3	8.5	4	11.3	10	28.2	3	8.5	1	2.8
Pasco	3	16.2	2	10.8	6	32.4	3	16.2	1	5.4
Garfield	–	–	–	–	1	41.7	–	–	–	–
Grant	4	7.7	6	11.5	19	36.5	5	9.6	4	7.7
Moses Lake	2	18.9	2	18.9	4	37.7	2	18.9	–	–
Grays Harbor	10	15.9	21	33.3	44	69.8	6	9.5	3	4.8
Aberdeen	2	11.8	8	47.1	13	76.5	3	17.6	1	5.9
Island	7	13.4	8	15.4	20	38.4	5	9.6	3	5.8
Oak Harbor	–	–	3	21.5	4	28.7	–	–	2	14.3
Jefferson	1	5.5	12	66.3	4	22.1	1	5.5	3	16.6
King	104	7.5	358	25.9	443	32.0	131	9.5	69	5.0
Auburn	–	–	6	19.8	23	76.0	6	19.8	1	3.3
Bellevue	8	9.7	13	15.8	27	32.9	2	2.4	1	1.2
Des Moines	4	29.0	5	36.3	7	50.8	–	–	–	–
Kent	2	6.6	4	13.3	15	49.9	–	–	1	3.3
Kirkland	2	10.3	7	36.0	6	30.9	1	5.1	3	15.4
Mercer Island	2	9.6	5	24.1	4	19.3	–	–	–	–
Redmond	1	3.3	3	9.9	5	16.5	3	9.9	–	–
Renton	3	8.5	7	19.8	14	39.6	4	11.3	1	2.8
Seattle	41	8.3	201	40.9	195	39.7	82	16.7	33	6.7
Kitsap	5	3.0	37	21.9	57	33.8	13	7.7	7	4.2
Bremerton	1	3.1	15	46.3	17	52.5	4	12.3	1	3.1
Kittitas	1	4.0	5	19.9	12	47.8	2	8.0	1	4.0
Ellensburg	–	–	3	26.1	7	60.9	–	–	–	–
Klickitat	3	18.2	7	42.4	9	54.5	2	12.1	–	–
Lewis	14	24.5	23	40.3	26	45.5	1	1.8	8	14.0
Centralia	8	67.6	10	84.5	9	76.1	–	–	5	42.3
Lincoln	–	–	10	103.1	4	41.2	–	–	3	30.9
Mason	1	2.8	18	50.0	17	47.2	1	2.8	2	5.6
Okanogan	3	9.5	10	31.6	15	47.5	1	3.2	2	6.3
Pacific	2	11.6	11	63.6	8	46.2	2	11.6	1	5.8
Pend Oreille	1	11.2	5	56.2	5	56.2	–	–	–	–
Pierce	79	14.7	82	15.2	231	42.9	51	9.5	16	3.0
Puyallup	8	40.3	7	35.3	13	65.6	–	–	–	–
Tacoma	36	22.7	42	26.4	93	58.5	29	18.3	6	3.8
San Juan	–	–	4	43.5	2	21.7	1	10.9	1	10.9
Skagit	16	23.0	25	36.0	39	56.1	10	14.4	2	2.9
Anacortes	3	29.5	6	59.1	6	59.1	1	9.8	1	9.8
Mount Vernon	7	48.6	5	34.7	9	62.5	2	13.9	–	–
Skamania	1	12.8	3	38.5	3	38.5	–	–	1	12.8
Snohomish	34	8.6	87	22.1	123	31.3	30	7.6	13	3.3
Edmonds	5	17.7	11	38.9	8	28.3	5	17.7	2	7.1
Everett	6	10.0	24	39.9	26	43.3	6	10.0	3	5.0
Lynnwood	1	4.1	6	24.7	18	74.2	2	8.2	2	8.2
Mountlake Terrace	2	12.5	1	6.2	6	37.4	1	6.2	–	–
Spokane	43	12.1	105	29.5	184	51.7	39	11.0	20	5.6
Spokane (city)	30	17.4	69	40.1	122	70.9	26	15.1	15	8.7
Stevens	3	9.9	6	19.9	14	46.4	2	6.6	2	6.6
Thurston	10	6.9	26	17.9	51	35.1	23	15.8	8	5.5
Lacey	2	12.6	5	31.6	7	44.2	2	12.6	1	6.3
Olympia	2	6.8	12	40.5	23	77.7	12	40.5	1	3.4
Wahkiakum	–	–	–	–	3	83.3	–	–	–	–
Walla Walla	16	33.1	16	33.1	20	41.4	5	10.4	3	6.2
Walla Walla (city)	12	47.2	5	19.7	15	59.0	3	11.8	2	7.9
Whatcom	14	11.9	35	29.9	45	38.4	7	6.0	4	3.4
Bellingham	9	19.4	16	34.5	25	53.9	4	8.6	2	4.3
Whitman	2	5.1	7	17.9	10	25.5	1	2.6	2	5.1
Pullman	–	–	3	13.5	–	–	–	–	1	4.5
Yakima	22	11.9	43	23.3	73	39.6	17	9.2	3	1.6
Yakima (city)	10	20.2	21	42.3	28	56.5	6	12.1	1	2.0

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[1] Rates per 100,000 estimated population.

Table 12

Deaths Due to Malignant Neoplasm by Primary Site with Rates[1] by Place of Residence, Washington State 1987

County and City	Malignant Neoplasms Total All Sites Number	Malignant Neoplasms Total All Sites Rate	Lip, Oral Cavity and Pharynx Number	Lip, Oral Cavity and Pharynx Rate	Digestive Organs and Peritoneum Number	Digestive Organs and Peritoneum Rate	Respiratory and Intrathoracic Organs Number	Respiratory and Intrathoracic Organs Rate	Genital Organs Number	Genital Organs Rate
State Total	8,208	183.2	124	2.8	1,978	44.1	2,391	53.4	943	21.0
Adams	31	221.4	1	7.1	5	35.7	10	71.4	3	21.4
Asotin	31	180.2	–	–	13	75.6	7	40.7	2	11.6
Benton	175	168.1	–	–	34	32.7	61	58.6	18	17.3
Kennewick	78	209.0	–	–	16	42.9	28	75.0	9	24.1
Richland	51	168.4	–	–	8	26.4	16	52.8	8	26.4
Chelan	98	201.2	3	6.2	21	43.1	27	55.4	12	24.6
Wenatchee	52	281.4	–	–	12	64.9	15	81.2	9	48.7
Clallam	132	247.2	–	–	26	48.7	54	101.1	14	26.2
Port Angeles	44	254.9	–	–	10	57.9	18	104.3	8	46.3
Clark	369	175.8	5	2.4	80	38.1	121	57.6	39	18.6
Vancouver	142	327.3	2	4.6	35	80.7	39	89.9	17	39.2
Columbia	11	268.3	1	24.4	2	48.8	–	–	2	48.8
Cowlitz	179	226.0	4	5.1	37	46.7	54	68.2	24	30.3
Kelso	33	308.4	1	9.3	6	56.1	6	56.1	5	46.7
Longview	79	267.6	2	6.8	12	40.7	25	84.7	15	50.8
Douglas	40	170.2	–	–	8	34.0	12	51.1	8	34.0
Ferry	9	150.0	–	–	4	66.7	3	50.0	–	–
Franklin	62	174.6	–	–	12	33.8	22	62.0	10	28.2
Pasco	43	232.2	–	–	9	48.6	15	81.0	6	32.4
Garfield	6	250.0	–	–	1	41.7	3	125.0	1	41.7
Grant	96	184.3	–	–	24	46.1	23	44.1	15	28.8
Moses Lake	33	311.3	–	–	6	56.6	5	47.2	8	75.5
Grays Harbor	145	230.2	2	3.2	46	73.0	40	63.5	21	33.3
Aberdeen	51	300.0	–	–	18	105.9	16	94.1	6	35.3
Island	107	205.4	2	3.8	29	55.7	33	63.3	13	25.0
Oak Harbor	17	121.8	–	–	5	35.8	4	28.7	1	7.2
Jefferson	36	198.9	–	–	9	49.7	15	82.9	4	22.1
King	2,462	177.8	34	2.5	647	46.7	655	47.3	287	20.7
Auburn	68	224.7	4	13.2	20	66.1	19	62.8	6	19.8
Bellevue	120	146.2	2	2.4	28	34.1	35	42.6	8	9.7
Des Moines	21	152.3	–	–	3	21.8	6	43.5	3	21.8
Kent	48	159.5	–	–	11	36.6	17	56.5	4	13.3
Kirkland	54	277.9	1	5.1	11	56.6	8	41.2	7	36.0
Mercer Island	49	236.0	–	–	13	62.6	16	77.1	6	28.9
Redmond	40	132.2	–	–	10	33.0	11	36.4	5	16.5
Renton	65	183.8	–	–	15	42.4	23	65.0	5	14.1
Seattle	1,156	235.3	11	2.2	327	66.6	280	57.0	144	29.3
Kitsap	283	167.9	3	1.8	69	40.9	83	49.2	31	18.4
Bremerton	79	243.9	1	3.1	23	71.0	29	89.5	9	27.8
Kittitas	49	195.2	–	–	11	43.8	13	51.8	9	35.9
Ellensburg	26	226.1	–	–	5	43.5	9	78.3	5	43.5
Klickitat	30	181.8	–	–	3	18.2	10	60.6	7	42.4
Lewis	123	215.4	–	–	26	45.5	42	73.6	18	31.5
Centralia	45	380.4	–	–	9	76.1	18	152.2	8	67.6
Lincoln	21	216.5	1	10.3	7	72.2	8	82.5	–	–
Mason	82	227.8	–	–	18	50.0	30	83.3	8	22.2
Okanogan	59	186.7	1	3.2	14	44.3	17	53.8	5	15.8
Pacific	64	369.9	1	5.8	14	80.9	20	115.6	5	28.9
Pend Oreille	20	224.7	–	–	4	44.9	5	56.2	5	56.2
Pierce	979	182.0	16	3.0	238	44.2	298	55.4	103	19.1
Puyallup	40	201.7	–	–	8	40.3	7	35.3	6	30.3
Tacoma	407	256.1	6	3.8	98	61.7	137	86.2	42	26.4
San Juan	22	239.1	–	–	4	43.5	4	43.5	4	43.5
Skagit	136	195.7	2	2.9	31	44.6	47	67.6	13	18.7
Anacortes	29	285.4	–	–	5	49.2	8	78.7	4	39.4
Mount Vernon	25	173.6	–	–	8	55.6	11	76.4	1	6.9
Skamania	18	230.8	–	–	3	38.5	11	141.0	1	12.8
Snohomish	652	165.7	11	2.8	153	38.9	186	47.3	82	20.8
Edmonds	73	258.0	3	10.6	21	74.2	16	56.5	8	28.3
Everett	152	252.9	3	5.0	42	69.9	44	73.2	20	33.3
Lynnwood	45	185.5	2	8.2	10	41.2	12	49.5	4	16.5
Mountlake Terrace	30	186.8	–	–	5	31.1	14	87.2	2	12.5
Spokane	670	188.3	17	4.8	145	40.7	178	50.0	69	19.4
Spokane (city)	407	236.5	15	8.7	83	48.2	109	63.3	46	26.7
Stevens	48	158.9	1	3.3	12	39.7	16	53.0	2	6.6
Thurston	243	167.0	3	2.1	55	37.8	70	48.1	24	16.5
Lacey	36	227.3	–	–	8	50.5	12	75.8	4	25.3
Olympia	73	246.6	3	10.1	14	47.3	15	50.7	7	23.6
Wahkiakum	3	83.3	–	–	–	–	2	55.6	1	27.8
Walla Walla	78	161.5	1	2.1	24	49.7	19	39.3	10	20.7
Walla Walla (city)	49	192.8	1	3.9	15	59.0	12	47.2	5	19.7
Whatcom	228	194.5	6	5.1	56	47.8	69	58.9	22	18.8
Bellingham	122	263.2	4	8.6	27	58.2	40	86.3	11	23.7
Whitman	66	168.4	–	–	17	43.4	16	40.8	8	20.4
Pullman	17	76.4	–	–	4	18.0	6	27.0	2	9.0
Yakima	345	187.1	9	4.9	76	41.2	107	58.0	43	23.3
Yakima (city)	140	282.3	4	8.1	40	80.6	38	76.6	14	28.2

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[1] Rates per 100,000 estimated population.

Table 12 (continued)

Deaths Due to Malignant Neoplasm by Primary Site with Rates[1] by Place of Residence, Washington State 1987

County and City	Urinary Organs		Skin		Breast		Leukemias and Neoplasms of the Lymphatic and Hematopoietic Tissue		Other and Unspecified Primary Sites	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	341	7.6	153	3.4	681	15.2	790	17.6	807	18.0
Adams	1	7.1	–	–	2	14.3	6	42.9	3	21.4
Asotin	–	–	2	11.6	2	11.6	1	5.8	4	23.3
Benton	11	10.6	6	5.8	14	13.4	16	15.4	15	14.4
Kennewick	3	8.0	1	2.7	9	24.1	4	10.7	8	21.4
Richland	5	16.5	2	6.6	2	6.6	9	29.7	1	3.3
Chelan	6	12.3	1	2.1	4	8.2	14	28.7	10	20.5
Wenatchee	3	16.2	1	5.4	1	5.4	9	48.7	2	10.8
Clallam	9	16.9	–	–	5	9.4	12	22.5	12	22.5
Port Angeles	1	5.8	–	–	2	11.6	5	29.0	–	–
Clark	20	9.5	8	3.8	26	12.4	29	13.8	41	19.5
Vancouver	5	11.5	3	6.9	15	34.6	9	20.7	17	39.2
Columbia	–	–	–	–	1	24.4	4	97.6	1	24.4
Cowlitz	6	7.6	2	2.5	13	16.4	24	30.3	15	18.9
Kelso	2	18.7	–	–	2	18.7	6	56.1	5	46.7
Longview	2	6.8	1	3.4	7	23.7	8	27.1	7	23.7
Douglas	3	12.8	–	–	2	8.5	3	12.8	4	17.0
Ferry	–	–	–	–	1	16.7	1	16.7	–	–
Franklin	2	5.6	1	2.8	5	14.1	5	14.1	5	14.1
Pasco	2	10.8	1	5.4	3	16.2	4	21.6	3	16.2
Garfield	–	–	–	–	–	–	1	41.7	–	–
Grant	6	11.5	3	5.8	1	1.9	11	21.1	13	25.0
Moses Lake	2	18.9	1	9.4	1	9.4	4	37.7	6	56.6
Grays Harbor	2	3.2	1	1.6	6	9.5	17	27.0	10	15.9
Aberdeen	–	–	1	5.9	3	17.6	3	17.6	4	23.5
Island	2	3.8	2	3.8	6	11.5	12	23.0	8	15.4
Oak Harbor	–	–	1	7.2	1	7.2	2	14.3	3	21.5
Jefferson	1	5.5	–	–	2	11.0	3	16.6	2	11.0
King	90	6.5	45	3.3	230	16.6	245	17.7	229	16.5
Auburn	1	3.3	1	3.3	4	13.2	9	29.7	4	13.2
Bellevue	9	11.0	–	–	13	15.8	11	13.4	14	17.1
Des Moines	–	–	1	7.3	3	21.8	2	14.5	3	21.8
Kent	2	6.6	–	–	6	19.9	3	10.0	5	16.6
Kirkland	1	5.1	1	5.1	7	36.0	8	41.2	10	51.5
Mercer Island	2	9.6	2	9.6	5	24.1	4	19.3	1	4.8
Redmond	2	6.6	2	6.6	4	13.2	4	13.2	2	6.6
Renton	5	14.1	–	–	6	17.0	8	22.6	3	8.5
Seattle	38	7.7	21	4.3	111	22.6	119	24.2	105	21.4
Kitsap	16	9.5	5	3.0	27	16.0	19	11.3	30	17.8
Bremerton	4	12.3	–	–	6	18.5	4	12.3	3	9.3
Kittitas	2	8.0	2	8.0	2	8.0	6	23.9	4	15.9
Ellensburg	1	8.7	1	8.7	1	8.7	3	26.1	1	8.7
Klickitat	2	12.1	–	–	3	18.2	3	18.2	2	12.1
Lewis	4	7.0	1	1.8	13	22.8	8	14.0	11	19.3
Centralia	–	–	1	8.5	3	25.4	3	25.4	3	25.4
Lincoln	1	10.3	1	10.3	1	10.3	1	10.3	1	10.3
Mason	1	2.8	2	5.6	7	19.4	6	16.7	10	27.8
Okanogan	2	6.3	2	6.3	6	19.0	8	25.3	4	12.7
Pacific	6	34.7	2	11.6	–	–	11	63.6	5	28.9
Pend Oreille	–	–	2	22.5	1	11.2	1	11.2	2	22.5
Pierce	41	7.6	16	3.0	81	15.1	94	17.5	92	17.1
Puyallup	2	10.1	4	20.2	6	30.3	4	20.2	3	15.1
Tacoma	13	8.2	6	3.8	30	18.9	37	23.3	38	23.9
San Juan	1	10.9	1	10.9	2	21.7	3	32.6	3	32.6
Skagit	4	5.8	–	–	11	15.8	13	18.7	15	21.6
Anacortes	2	19.7	–	–	3	29.5	5	49.2	2	19.7
Mount Vernon	–	–	–	–	1	6.9	1	6.9	3	20.8
Skamania	–	–	–	–	2	25.6	1	12.8	–	–
Snohomish	24	6.1	13	3.3	45	11.4	64	16.3	74	18.8
Edmonds	2	7.1	4	14.1	3	10.6	5	17.7	11	38.9
Everett	5	8.3	2	3.3	7	11.6	14	23.3	15	25.0
Lynnwood	2	8.2	1	4.1	4	16.5	8	33.0	2	8.2
Mountlake Terrace	3	18.7	–	–	2	12.5	2	12.5	2	12.5
Spokane	39	11.0	18	5.1	68	19.1	57	16.0	79	22.2
Spokane (city)	24	13.9	11	6.4	37	21.5	37	21.5	45	26.1
Stevens	1	3.3	–	–	4	13.2	5	16.6	7	23.2
Thurston	5	3.4	6	4.1	28	19.2	17	11.7	35	24.1
Lacey	1	6.3	–	–	3	18.9	2	12.6	6	37.9
Olympia	3	10.1	1	3.4	8	27.0	7	23.6	15	50.7
Wahkiakum	–	–	–	–	–	–	–	–	–	–
Walla Walla	3	6.2	2	4.1	3	6.2	10	20.7	6	12.4
Walla Walla (city)	2	7.9	1	3.9	3	11.8	8	31.5	2	7.9
Whatcom	12	10.2	3	2.6	23	19.6	14	11.9	23	19.6
Bellingham	7	15.1	1	2.2	12	25.9	5	10.8	15	32.4
Whitman	3	7.7	1	2.6	8	20.4	7	17.9	6	15.3
Pullman	1	4.5	–	–	–	–	2	9.0	2	9.0
Yakima	15	8.1	5	2.7	26	14.1	38	20.6	26	14.1
Yakima (city)	8	16.1	2	4.0	9	18.1	17	34.3	8	16.1

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[1] Rates per 100,000 estimated population.

Table 13

Deaths Due to Human Immunodeficiency Virus with Rates[1] by Place of Residence, Washington State 1987

County and City	Total		Male		Female		Unknown	
	Number	Rate	Number	Rate	Number	Rate	NUmber	Rate
State Total	163	3.6	159	3.5	4	.1		
Adams								
Asotin								
Benton	1	1.0	1	1.0				
Kennewick	1	2.7	1	2.7				
Richland								
Chelan								
Wenatchee								
Clallam	2	3.7	2	3.7				
Port Angeles	2	11.6	2	11.6				
Clark	3	1.4	3	1.4				
Vancouver	2	4.6	2	4.6				
Columbia								
Cowlitz	1	1.3	1	1.3				
Kelso								
Longview	1	3.4	1	3.4				
Douglas								
Ferry								
Franklin	1	2.8	1	2.8				
Pasco	1	5.4	1	5.4				
Garfield								
Grant								
Moses Lake								
Grays Harbor								
Aberdeen								
Island								
Oak Harbor								
Jefferson								
King	114	8.2	112	8.1	2	.1		
Auburn	2	6.6	2	6.6				
Bellevue	3	3.7	3	3.7				
Des Moines								
Kent	1	3.3	1	3.3				
Kirkland	2	10.3	2	10.3				
Mercer Island								
Redmond	1	3.3	1	3.3				
Renton	1	2.8	1	2.8				
Seattle	92	18.7	90	18.3	2	.4		
Kitsap	2	1.2	1	.6	1	.6		
Bremerton								
Kittitas	1	4.0	1	4.0				
Ellensburg	1	8.7	1	8.7				
Klickitat	1	6.1	1	6.1				
Lewis								
Centralia								
Lincoln								
Mason								
Okanogan								
Pacific								
Pend Oreille								
Pierce	11	2.0	10	1.9	1	.2		
Puyallup								
Tacoma	7	4.4	6	3.8	1	.6		
San Juan								
Skagit	2	2.9	2	2.9				
Anacortes	1	9.8	1	9.8				
Mount Vernon								
Skamania	1	12.8	1	12.8				
Snohomish	10	2.5	10	2.5				
Edmonds								
Everett	1	1.7	1	1.7				
Lynnwood	1	4.1	1	4.1				
Mountlake Terrace								
Spokane	7	2.0	7	2.0				
Spokane (city)	4	2.3	4	2.3				
Stevens								
Thurston	1	.7	1	.7				
Lacey								
Olympia	1	3.4	1	3.4				
Wahkiakum								
Walla Walla	2	4.1	2	4.1				
Walla Walla (city)	2	7.9	2	7.9				
Whatcom	3	2.6	3	2.6				
Bellingham	3	6.5	3	6.5				
Whitman								
Pullman								
Yakima								
Yakima (city)								

[1] Rates per 100,000 estimated population.

Table 14

Deaths with Rates[1] by External Causes by Place of Residence, Washington State 1987

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		All Other Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	1,688	37.7	869	19.4	252	5.6	115	2.6	60	1.3	392	8.7
Adams	6	42.9	3	21.4	1	7.1	1	7.1	–	–	1	7.1
Asotin	9	52.3	5	29.1	2	11.6	1	5.8	1	5.8	–	–
Benton	35	33.6	24	23.1	2	1.9	1	1.0	–	–	8	7.7
Kennewick	14	37.5	9	24.1	1	2.7	–	–	–	–	4	10.7
Richland	7	23.1	5	16.5	1	3.3	–	–	–	–	1	3.3
Chelan	29	59.5	15	30.8	7	14.4	–	–	1	2.1	6	12.3
Wenatchee	9	48.7	3	16.2	3	16.2	–	–	–	–	3	16.2
Clallam	31	58.1	18	33.7	2	3.7	2	3.7	1	1.9	8	15.0
Port Angeles	9	52.1	4	23.2	2	11.6	1	5.8	–	–	2	11.6
Clark	55	26.2	33	15.7	5	2.4	7	3.3	1	.5	9	4.3
Vancouver	26	59.9	16	36.9	2	4.6	2	4.6	1	2.3	5	11.5
Columbia	–	–	–	–	–	–	–	–	–	–	–	–
Cowlitz	39	49.2	24	30.3	3	3.8	3	3.8	1	1.3	8	10.1
Kelso	10	93.5	6	56.1	1	9.3	1	9.3	–	–	2	18.7
Longview	18	61.0	12	40.7	1	3.4	1	3.4	1	3.4	3	10.2
Douglas	15	63.8	10	42.6	–	–	1	4.3	–	–	4	17.0
Ferry	6	100.0	4	66.7	–	–	–	–	–	–	2	33.3
Franklin	16	45.1	8	22.5	2	5.6	1	2.8	1	2.8	4	11.3
Pasco	9	48.6	4	21.6	2	10.8	1	5.4	–	–	2	10.8
Garfield	1	41.7	–	–	–	–	–	–	–	–	1	41.7
Grant	27	51.8	13	25.0	2	3.8	4	7.7	3	5.8	5	9.6
Moses Lake	5	47.2	1	9.4	2	18.9	1	9.4	–	–	1	9.4
Grays Harbor	26	41.3	19	30.2	2	3.2	1	1.6	–	–	4	6.3
Aberdeen	6	35.3	3	17.6	1	5.9	–	–	–	–	2	11.8
Island	17	32.6	10	19.2	–	–	2	3.8	2	3.8	3	5.8
Oak Harbor	1	7.2	–	–	–	–	–	–	–	–	1	7.2
Jefferson	15	82.9	11	60.8	1	5.5	–	–	1	5.5	2	11.0
King	424	30.6	183	13.2	95	6.9	23	1.7	15	1.1	108	7.8
Auburn	10	33.0	2	6.6	3	9.9	1	3.3	–	–	4	13.2
Bellevue	23	28.0	11	13.4	5	6.1	2	2.4	–	–	5	6.1
Des Moines	3	21.8	1	7.3	1	7.3	–	–	–	–	1	7.3
Kent	8	26.6	6	19.9	–	–	1	3.3	–	–	1	3.3
Kirkland	6	30.9	2	10.3	2	10.3	1	5.1	–	–	1	5.1
Mercer Island	4	19.3	2	9.6	1	4.8	1	4.8	–	–	–	–
Redmond	4	13.2	2	6.6	1	3.3	1	3.3	–	–	–	–
Renton	8	22.6	4	11.3	2	5.7	–	–	–	–	2	5.7
Seattle	188	38.3	69	14.0	51	10.4	9	1.8	6	1.2	53	10.8
Kitsap	51	30.2	30	17.8	6	3.6	3	1.8	1	.6	11	6.5
Bremerton	16	49.4	8	24.7	1	3.1	1	3.1	1	3.1	5	15.4
Kittitas	11	43.8	8	31.9	1	4.0	1	4.0	1	4.0	–	–
Ellensburg	2	17.4	1	8.7	1	8.7	–	–	–	–	–	–
Klickitat	10	60.6	4	24.2	1	6.1	–	–	1	6.1	4	24.2
Lewis	39	68.3	22	38.5	6	10.5	–	–	4	7.0	7	12.3
Centralia	12	101.4	4	33.8	3	25.4	–	–	2	16.9	3	25.4
Lincoln	9	92.8	5	51.5	1	10.3	–	–	–	–	3	30.9
Mason	26	72.2	16	44.4	1	2.8	–	–	2	5.6	7	19.4
Okanogan	24	75.9	10	31.6	4	12.7	2	6.3	1	3.2	7	22.2
Pacific	17	98.3	9	52.0	1	5.8	1	5.8	1	5.8	5	28.9
Pend Oreille	6	67.4	3	33.7	–	–	–	–	–	–	3	33.7
Pierce	165	30.7	92	17.1	20	3.7	13	2.4	2	.4	38	7.1
Puyallup	3	15.1	1	5.0	1	5.0	1	5.0	–	–	–	–
Tacoma	53	33.4	25	15.7	8	5.0	4	2.5	–	–	16	10.1
San Juan	1	10.9	–	–	1	10.9	–	–	–	–	–	–
Skagit	35	50.4	17	24.5	4	5.8	3	4.3	2	2.9	9	12.9
Anacortes	8	78.7	6	59.1	–	–	–	–	–	–	2	19.7
Mount Vernon	10	69.4	5	34.7	2	13.9	–	–	1	6.9	2	13.9
Skamania	5	64.1	–	–	1	12.8	1	12.8	2	25.6	1	12.8
Snohomish	151	38.4	74	18.8	26	6.6	14	3.6	5	1.3	32	8.1
Edmonds	7	24.7	3	10.6	2	7.1	1	3.5	–	–	1	3.5
Everett	35	58.2	23	38.3	4	6.7	1	1.7	–	–	7	11.6
Lynnwood	9	37.1	2	8.2	3	12.4	3	12.4	–	–	1	4.1
Mountlake Terrace	–	–	–	–	–	–	–	–	–	–	–	–
Spokane	145	40.7	65	18.3	22	6.2	11	3.1	6	1.7	41	11.5
Spokane (city)	88	51.1	40	23.2	18	10.5	5	2.9	4	2.3	21	12.2
Stevens	18	59.6	10	33.1	2	6.6	2	6.6	–	–	4	13.2
Thurston	43	29.6	22	15.1	4	2.7	4	2.7	1	.7	12	8.2
Lacey	6	37.9	–	–	3	18.9	2	12.6	1	6.3		
Olympia	11	37.2	7	23.6	1	3.4	–	–	–	–	3	10.1
Wahkiakum	2	55.6	1	27.8	1	27.8	–	–	–	–	–	–
Walla Walla	23	47.6	15	31.1	5	10.4	1	2.1	–	–	2	4.1
Walla Walla (city)	12	47.2	8	31.5	3	11.8	–	–	–	–	1	3.9
Whatcom	52	44.4	28	23.9	8	6.8	3	2.6	–	–	13	11.1
Bellingham	23	49.6	8	17.3	7	15.1	–	–	–	–	8	17.3
Whitman	11	28.1	5	12.8	1	2.6	1	2.6	–	–	4	10.2
Pullman	5	22.5	1	4.5	1	4.5	1	4.5	–	–	2	9.0
Yakima	93	50.4	53	28.7	12	6.5	8	4.3	4	2.2	16	8.7
Yakima (city)	23	46.4	13	26.2	6	12.1	1	2.0	–	–	3	6.0

[1] Rates per 100,000 estimated population.

Table 15

Deaths with Rates[1] by External Causes by Place of Residence, Washington State 1987

County and City	Suicide		Homicide		Undetermined External Injuries	
	Number	Rate	Number	Rate	Number	Rate
State Total	707	15.8	263	5.9	112	2.5
Adams			1	7.1		
Asotin	1	5.8				
Benton	8	7.7	5	4.8	1	1.0
Kennewick	4	10.7	5	13.3	1	2.6
Richland	2	6.6				
Chelan	6	12.3	5	10.3		
Wenatchee	5	27.0	4	21.6		
Clallam	25	46.8	1	1.9	2	3.7
Port Angeles	10	57.9			1	5.7
Clark	34	16.2	12	5.7	4	1.9
Vancouver	9	20.7	4	9.2		
Columbia						
Cowlitz	14	17.7	3	3.8		
Kelso						
Longview	6	20.3				
Douglas	6	25.5	1	4.3		
Ferry					2	33.3
Franklin	3	8.5	11	31.0	1	2.8
Pasco	3	16.1	8	43.1	1	5.3
Garfield						
Grant	9	17.3	2	3.8	2	3.8
Moses Lake	2	18.8			1	9.4
Grays Harbor	14	22.2	2	3.2	1	1.6
Aberdeen	5	29.4	2	11.7		
Island	10	19.2	3	5.8	2	3.8
Oak Harbor	1	7.1				
Jefferson	4	22.1				
King	200	14.4	90	6.5	45	3.3
Auburn	5	16.5	1	3.3		
Bellevue	7	8.5	3	3.6	1	1.2
Des Moines	2	14.5	2	14.5	1	7.2
Kent	8	26.5	3	9.9		
Kirkland	3	15.4			1	5.1
Mercer Island					1	4.8
Redmond	3	9.9	1	3.3	1	3.3
Renton	1	2.8	1	2.8		
Seattle	84	17.0	50	10.1	31	6.3
Kitsap	29	17.2	6	3.6	4	2.4
Bremerton	16	49.3	5	15.4	3	9.2
Kittitas	8	31.9			1	4.0
Ellensburg	3	26.0			1	8.6
Klickitat	2	12.1	3	18.2	1	6.1
Lewis	8	14.0			1	1.8
Centralia	3	25.3			1	8.4
Lincoln	2	20.6				
Mason	5	13.9			3	8.3
Okanogan	8	25.3	1	3.2		
Pacific	4	23.1	1	5.8	1	5.8
Pend Oreille					1	11.2
Pierce	102	19.0	35	6.5	12	2.2
Puyallup			2	10.0	2	10.0
Tacoma	39	24.5	20	12.5	5	3.1
San Juan	3	32.6	2	21.7		
Skagit	14	20.1	3	4.3		
Anacortes	1	9.8				
Mount Vernon	2	13.8	1	6.9		
Skamania			4	51.3	1	12.8
Snohomish	55	14.0	14	3.6	8	2.0
Edmonds	1	3.5	1	3.5	1	3.5
Everett	10	16.6	6	9.9	2	3.3
Lynnwood	4	16.4	1	4.1		
Mountlake Terrace	1	6.2			1	6.2
Spokane	52	14.6	21	5.9	11	3.1
Spokane (city)	31	18.0	16	9.2	4	2.3
Stevens	10	33.1	2	6.6		
Thurston	22	15.1	4	2.7		
Lacey	1	6.3				
Olympia	9	30.4	1	3.3		
Wahkiakum						
Walla Walla	7	14.5	3	6.2	1	2.1
Walla Walla (city)	4	15.7	2	7.8	1	3.9
Whatcom	13	11.1	4	3.4		
Bellingham	4	8.6	1	2.1		
Whitman	6	15.3				
Pullman	3	13.4				
Yakima	23	12.5	24	13.0	7	3.8
Yakima (city)	10	20.1	5	10.0	3	6.0

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[1] Rates per 100,000 estimated population.

S00810F-HDE

Table 16

Deaths by Month by Selected Causes, Washington State Occurrences 1987

Cause of Death and International List Number	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total All Causes	35,190	3,129	2,693	3,121	2,902	2,897	2,927	2,828	2,832	2,789	2,977	2,932	3,163
Infectious and Parasitic Diseases (001-139)	493	36	50	56	49	38	37	32	33	47	41	50	24
Pneumonia (480-486)	1,092	114	92	106	90	85	79	66	74	81	100	96	109
Influenza (487)	24	7	4	2	1	2	2			3			3
Bronchitis (490-491)	40	6	1	2	6	1	3	3	2	3	2	4	7
Emphysema (492)	247	28	17	27	20	14	21	18	19	13	22	25	23
Asthma (493)	102	9	4	11	9	11	7	7	9	4	13	7	11
Other Chronic Obstructive Pulmonary Diseases (494-496)	1,354	153	85	134	131	111	115	108	91	102	95	102	127
Congenital Anomalies (740-759)	271	26	20	24	23	24	21	21	24	18	19	26	25
Certain Causes of Mortality in Early Infancy (760-799)	272	26	38	23	18	19	19	19	21	26	22	19	22
Motorcycle Accidents (E810-E825)	92	3	3	7	5	8	15	13	12	10	9	4	3
Other Motor Vehicle Accidents (E810-E825)	753	50	59	59	55	51	63	65	74	82	60	77	58
Drownings Resulting from Boating Accident (E830-E832)	37	1	3	1	2	8	4	5	2		3	4	4
Other Drownings (E910)	84	1	2	1	8	12	19	15	11	8	5	1	1
Falls (E880-E888)	257	28	19	11	32	16	16	21	21	26	26	18	23
Fire (E890-E899)	59	2	7	7	6	6	5	5	6	2	5	5	3
Other Accidents (E800-E928)	243	12	20	23	19	23	24	24	19	25	22	16	16
Suicide (E950-E959)	710	47	53	56	44	65	57	65	65	72	63	50	73
Homicide (E960-E969)	253	16	12	19	23	16	23	34	24	23	24	20	19

Table 17

Deaths Due to Human Immunodeficiency Virus by Rates[1] by Place of Occurrence, Washington State 1987

County and City	Total		Male		Female		Unknown	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	158	3.5	154	3.4	4	.1		
Adams								
Asotin								
Benton	1	1.0	1	1.0				
Kennewick	1	2.7	1	2.7				
Richland								
Chelan								
Wenatchee								
Clallam	2	3.7	2	3.7				
Port Angeles	2	11.6	2	11.6				
Clark	1	.5	1	.5				
Vancouver	1	2.3	1	2.3				
Columbia								
Cowlitz	1	1.3	1	1.3				
Kelso								
Longview	1	3.4	1	3.4				
Douglas								
Ferry								
Franklin	1	2.8	1	2.8				
Pasco	1	5.4	1	5.4				
Garfield								
Grant								
Moses Lake								
Grays Harbor								
Aberdeen								
Island								
Oak Harbor								
Jefferson								
King	119	8.6	117	8.5	2	.1		
Auburn								
Bellevue	1	1.2	1	1.2				
Des Moines								
Kent								
Kirkland	2	10.3	2	10.3				
Mercer Island								
Redmond	2	6.6	2	6.6				
Renton	3	8.5	3	8.5				
Seattle	111	22.6	109	22.2	2	.4		
Kitsap	1	.6	1	.6				
Bremerton								
Kittitas	1	4.0	1	4.0				
Ellensburg	1	8.7	1	8.7				
Klickitat								
Lewis								
Centralia								
Lincoln								
Mason								
Okanogan								
Pacific								
Pend Oreille								
Pierce	11	2.0	9	1.7	2	.4		
Puyallup								
Tacoma	10	6.3	9	5.7	1	.6		
San Juan								
Skagit	2	2.9	2	2.9				
Anacortes	1	9.8	1	9.8				
Mount Vernon	1	6.9	1	6.9				
Skamania								
Snohomish	6	1.5	6	1.5				
Edmonds								
Everett	2	3.3	2	3.3				
Lynnwood								
Mountlake Terrace								
Spokane	7	2.0	7	2.0				
Spokane (city)	6	3.5	6	3.5				
Stevens								
Thurston	1	.7	1	.7				
Lacey								
Olympia	1	3.4	1	3.4				
Wahkiakum								
Walla Walla	1	2.1	1	2.1				
Walla Walla (city)	1	3.9	1	3.9				
Whatcom	3	2.6	3	2.6				
Bellingham	3	6.5	3	6.5				
Whitman								
Pullman								
Yakima								
Yakima (city)								

[1] Rates per 100,000 estimated population.

Table 18

Deaths with Rates[1] by External Causes by Place of Occurrence, Washington State 1987

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		All Other Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	1,684	37.6	851	19.0	260	5.8	121	2.7	59	1.3	393	8.8
Adams	6	42.9	3	21.4	2	14.3					1	7.1
Asotin	7	40.7	2	11.6	3	17.4	1	5.8			1	5.8
Benton	32	30.7	19	18.3	3	2.9	3	2.9			7	6.7
Kennewick	12	32.2	7	18.8	1	2.7	2	5.4			2	5.4
Richland	12	39.6	6	19.8	2	6.6					4	13.2
Chelan	56	115.0	27	55.4	9	18.5	6	12.3	1	2.1	13	26.7
Wenatchee	29	156.9	14	75.8	6	32.5	1	5.4			8	43.3
Clallam	21	39.3	11	20.6	2	3.7	2	3.7			6	11.2
Port Angeles	11	63.7	6	34.8	2	11.6	1	5.8			2	11.6
Clark	33	15.7	16	7.6	6	2.9	4	1.9			7	3.3
Vancouver	24	55.3	10	23.0	6	13.8	2	4.6			6	13.8
Columbia	4	97.6	3	73.2	1	24.4						
Cowlitz	34	42.9	21	26.5	5	6.3	2	2.5	1	1.3	5	6.3
Kelso	3	28.0	2	18.7	1	9.3						
Longview	24	81.3	14	47.4	4	13.6	1	3.4	1	3.4	4	13.6
Douglas	7	29.8	5	21.3			2	8.5				
Ferry	4	66.7	3	50.0							1	16.7
Franklin	20	56.3	13	36.6			2	5.6	1	2.8	4	11.3
Pasco	13	70.2	9	48.6			1	5.4			3	16.2
Garfield	7	291.7	7	291.7								
Grant	28	53.7	13	25.0	1	1.9	8	15.4	3	5.8	3	5.8
Moses Lake	9	84.9	5	47.2	1	9.4	2	18.9			1	9.4
Grays Harbor	30	47.6	22	34.9	2	3.2	1	1.6			5	7.9
Aberdeen	14	82.4	8	47.1	2	11.8	1	5.9			3	17.6
Island	12	23.0	7	13.4			1	1.9	2	3.8	2	3.8
Oak Harbor	1	7.2	1	7.2								
Jefferson	15	82.9	8	44.2	1	5.5	2	11.0	1	5.5	3	16.6
King	452	32.6	202	14.6	96	6.9	18	1.3	18	1.3	118	8.5
Auburn	11	36.4	4	13.2	2	6.6			1	3.3	4	13.2
Bellevue	23	28.0	8	9.7	8	9.7	2	2.4			5	6.1
Des Moines	5	36.3	3	21.8	1	7.3					1	7.3
Kent	6	19.9	5	16.6							1	3.3
Kirkland	12	61.8	6	30.9	4	20.6					2	10.3
Mercer Island	1	4.8					1	4.8				
Redmond	7	23.1	3	9.9	2	6.6			1	3.3	1	3.3
Renton	11	31.1	6	17.0	2	5.7					3	8.5
Seattle	327	66.6	144	29.3	67	13.6	15	3.1	15	3.1	86	17.5
Kitsap	40	23.7	24	14.2	5	3.0	1	.6	1	.6	9	5.3
Bremerton	15	46.3	4	12.3	4	12.3	1	3.1	1	3.1	5	15.4
Kittitas	20	79.7	15	59.8	2	8.0			1	4.0	2	8.0
Ellensburg	9	78.3	6	52.2	1	8.7					2	17.4
Klickitat	12	72.7	6	36.4			2	12.1	2	12.1	2	12.1
Lewis	37	64.8	23	40.3	5	8.8			4	7.0	5	8.8
Centralia	8	67.6	2	16.9	2	16.9			2	16.9	2	16.9
Lincoln	6	61.9	3	30.9			2	20.6			1	10.3
Mason	22	61.1	13	36.1	1	2.8	2	5.6	2	5.6	4	11.1
Okanogan	35	110.8	15	47.5	3	9.5	3	9.5	3	9.5	11	34.8
Pacific	22	127.2	6	34.7	1	5.8	10	57.8	1	5.8	4	23.1
Pend Oreille	6	67.4	4	44.9							2	22.5
Pierce	151	28.1	79	14.7	23	4.3	14	2.6	2	.4	33	6.1
Puyallup	24	121.0	17	85.7	3	15.1	2	10.1	1	5.0	1	5.0
Tacoma	75	47.2	30	18.9	14	8.8	6	3.8	1	.6	24	15.1
San Juan	3	32.6	1	10.9			1	10.9			1	10.9
Skagit	38	54.7	20	28.8	6	8.6	3	4.3	2	2.9	7	10.1
Anacortes	6	59.1	3	29.5	2	19.7					1	9.8
Mount Vernon	18	125.0	9	62.5	3	20.8	2	13.9	1	6.9	3	20.8
Skamania	6	76.9					2	25.6			4	51.3
Snohomish	132	33.5	65	16.5	24	6.1	7	1.8	5	1.3	31	7.9
Edmonds	18	63.6	6	21.2	9	31.8					3	10.6
Everett	55	91.5	31	51.6	10	16.6	2	3.3	1	1.7	11	18.3
Lynnwood	3	12.4					1	4.1			2	8.2
Mountlake Terrace												
Spokane	153	43.0	70	19.7	27	7.6	9	2.5	4	1.1	43	12.1
Spokane (city)	138	80.2	65	37.8	27	15.7	9	5.2	3	1.7	34	19.8
Stevens	16	53.0	8	26.5			2	6.6			6	19.9
Thurston	45	30.9	22	15.1	6	4.1	2	1.4	1	.7	14	9.6
Lacey	4	25.3			2	12.6			1	6.3	1	6.3
Olympia	36	121.6	20	67.6	4	13.5	2	6.8			10	33.8
Wahkiakum												
Walla Walla	29	60.0	16	33.1	6	12.4	1	2.1			6	12.4
Walla Walla (city)	25	98.3	14	55.1	5	19.7	1	3.9			5	19.7
Whatcom	51	43.5	24	20.5	7	6.0	4	3.4			16	13.7
Bellingham	31	66.9	15	32.4	6	12.9	2	4.3			8	17.3
Whitman	8	20.4	4	10.2	1	2.6	1	2.6			2	5.1
Pullman	3	13.5	1	4.5	1	4.5					1	4.5
Yakima	84	45.6	51	27.7	12	6.5	3	1.6	4	2.2	14	7.6
Yakima (city)	41	82.7	22	44.4	9	18.1	1	2.0	1	2.0	8	16.1

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[1] Rates per 100,000 estimated population.

Table 19

Deaths With Rates[1] by External Causes by Place of Occurrence, Washington State 1987

	Suicide		Homicide		Undetermined External Injuries	
County and City	Number	Rate	Number	Rate	Number	Rate
State Total	710	15.8	254	5.7	115	2.6
Adams			2	14.3		
Asotin						
Benton	6	5.8	4	3.8	3	2.9
Kennewick	3	8.0	4	10.7	2	5.4
Richland	2	6.6			1	3.3
Chelan	9	18.5	4	8.2		
Wenatchee	6	32.5	3	16.2		
Clallam	24	44.9	1	1.9		
Port Angeles	16	92.7				
Clark	32	15.2	7	3.3	4	1.9
Vancouver	25	57.6	7	16.1	3	6.9
Columbia						
Cowlitz	13	16.4	2	2.5	1	1.3
Kelso	2	18.7				
Longview	8	27.1				
Douglas	4	17.0				
Ferry					3	50.0
Franklin	2	5.6	11	31.0	1	2.8
Pasco	2	10.8	8	43.2	1	5.4
Garfield						
Grant	10	19.2	3	5.8		
Moses Lake	4	37.7				
Grays Harbor	11	17.5	5	7.9	1	1.6
Aberdeen	3	17.6	3	17.6	1	5.9
Island	13	25.0	3	5.8	1	1.9
Oak Harbor	5	35.8				
Jefferson	2	11.0				
King	190	13.7	94	6.8	48	3.5
Auburn	8	26.4	1	3.3		
Bellevue	13	15.8	2	2.4	1	1.2
Des Moines	3	21.8	2	14.5		
Kent	10	33.2	3	10.0		
Kirkland	5	25.7				
Mercer Island					1	4.8
Redmond	3	9.9				
Renton	7	19.8	3	8.5	1	2.8
Seattle	113	23.0	70	14.2	42	8.5
Kitsap	28	16.6	3	1.8	3	1.8
Bremerton	18	55.6	2	6.2	1	3.1
Kittitas	10	39.8			1	4.0
Ellensburg	4	34.8			1	8.7
Klickitat	2	12.1	1	6.1	1	6.1
Lewis	5	8.8			1	1.8
Centralia	2	16.9			1	8.5
Lincoln	2	20.6				
Mason	6	16.7			2	5.6
Okanogan	8	25.3	1	3.2	1	3.2
Pacific	5	28.9			1	5.8
Pend Oreille					1	11.2
Pierce	109	20.3	36	6.7	15	2.8
Puyallup	9	45.4	1	5.0	2	10.1
Tacoma	71	44.7	30	18.9	11	6.9
San Juan	3	32.6	1	10.9	1	10.9
Skagit	16	23.0	5	7.2		
Anacortes	1	9.8				
Mount Vernon	5	34.7	3	20.8		
Skamania	3	38.5	4	51.3	1	12.8
Snohomish	54	13.7	8	2.0	8	2.0
Edmonds	4	14.1			1	3.5
Everett	18	30.0	3	5.0	3	5.0
Lynnwood	4	16.5			1	4.1
Mountlake Terrace	2	12.5			1	6.2
Spokane	56	15.7	21	5.9	9	2.5
Spokane (city)	50	29.1	20	11.6	8	4.6
Stevens	10	33.1	3	9.9		
Thurston	24	16.5	1	.7		
Lacey	2	12.6				
Olympia	21	70.9	1	3.4		
Wahkiakum						
Walla Walla	6	12.4	5	10.4	1	2.1
Walla Walla (city)	5	19.7	3	11.8	1	3.9
Whatcom	17	14.5	5	4.3		
Bellingham	8	17.3	3	6.5		
Whitman	7	17.9	1	2.6		
Pullman	4	18.0	1	4.5		
Yakima	23	12.5	23	12.5	7	3.8
Yakima (city)	16	32.3	12	24.2	5	10.1

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[1] Rates per 100,000 estimated population.

Table 20

Deaths by Type of Place by Place of Occurrence, Washington State 1987

County and City	Total	General Hospital	Nursing Home	Home	Federal Facility	Psychiatric Hospital	State Facility	Dead On Arrival	Other and Not Specified
State Total	35,190	15,539	9,060	7,904	955	32	1	40	1,659
Adams	89	41	30	12					6
Asotin	142	36	71	33					2
Benton	649	321	120	181					27
Kennewick	295	118	66	97					14
Richland	256	176	30	45					5
Chelan	579	332	135	75					37
Wenatchee	438	295	85	46					12
Clallam	521	187	159	145				2	28
Port Angeles	339	162	80	83				1	13
Clark	1,320	486	384	371	25			3	51
Vancouver	1,122	486	300	275	25			3	33
Columbia	33	10	10	9					4
Cowlitz	748	303	246	122				1	76
Kelso	33		2	26					5
Longview	649	303	221	70					55
Douglas	72		34	28				2	8
Ferry	30	13	4	7					6
Franklin	205	95	24	63					23
Pasco	189	95	24	55					15
Garfield	24	5	6	3				2	8
Grant	308	160	51	70					27
Moses Lake	129	67	29	22					11
Grays Harbor	591	233	200	122				1	35
Aberdeen	394	218	109	54				1	12
Island	292	64	87	116	1			1	23
Oak Harbor	64	1	22	36					5
Jefferson	148	53	46	36					13
King	11,139	5,427	2,515	2,451	279	2	1	9	455
Auburn	360	167	90	85					18
Bellevue	533	322	68	131				1	11
Des Moines	202	1	165	25					11
Kent	136		5	108					23
Kirkland	408	201	123	71		2			11
Mercer Island	92		60	29					3
Redmond	226	136	38	46					6
Renton	563	304	130	110					19
Seattle	7,815	4,189	1,522	1,546	278		1	7	272
Kitsap	1,047	361	287	302	28			5	64
Bremerton	675	360	154	142				1	18
Kittitas	199	53	58	58				2	28
Ellensburg	149	53	51	35				2	8
Klickitat	109	45	23	28					13
Lewis	492	242	128	94				1	27
Centralia	232	105	96	30					1
Lincoln	88	30	30	21					7
Mason	213	73	47	73					20
Okanogan	283	115	88	52					28
Pacific	208	76	63	42					27
Pend Oreille	63	32	9	12					10
Pierce	4,156	1,732	1,008	926	351	14		4	121
Puyallup	645	352	197	83				2	11
Tacoma	2,894	1,375	743	601	106	8		2	59
San Juan	56		11	38					7
Skagit	698	317	191	151					39
Anacortes	168	64	68	30					6
Mount Vernon	276	139	64	58					15
Skamania	32		1	17					14
Snohomish	2,447	971	704	669				5	98
Edmonds	429	257	86	81				2	3
Everett	1,063	620	224	201					18
Lynnwood	168	2	81	76					9
Mountlake Terrace	37			33					4
Spokane	3,635	1,834	905	572	201	16		1	106
Spokane (city)	3,419	1,814	817	508	190			1	89
Stevens	193	57	58	59					19
Thurston	1,143	483	346	276				1	37
Lacey	156		114	38					4
Olympia	858	483	185	171					19
Wahkiakum	18		12	4					2
Walla Walla	594	241	182	87	70				14
Walla Walla (city)	522	241	137	64	70				10
Whatcom	908	270	328	243					67
Bellingham	710	270	251	159					30
Whitman	163	49	62	45					7
Pullman	54	24	16	12					2
Yakima	1,555	792	397	291					75
Yakima (city)	1,125	676	261	167					21

Table 21

Infant Mortality by Age and Sex by Cause, Washington State Residents 1987

Cause and International List Number	Total		Under 1 Day		1 Day-Under 7 Days		7 Days-Under 28 Days		28 Days-Under 3 MO.		3 Mo.-Under 6 Mo.		6 Mo.-Under 9 Mo.		9 Mo.-Under 12 Mo.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total All Causes	404	277	106	84	57	31	48	39	93	58	66	38	22	15	12	12
All Infective and Parasitic Diseases (000-139)	5	7		1				2	1	2	2	1	2	1		
Malignant Neoplasms (140-208,230-234)	2						1				1					
Meningitis (320,322)	4	1							2				1		1	1
Diseases of the Circulatory System (390-459)	10	5	1		1		1		4	2	3	2				1
Pneumonia and Influenza (480-487)	3	3				1		1	1	1	1		1			
Other Diseases of Respiratory System (510-519)	1	2		1							1	1				
Hernia and Intestinal Obstruction (550-553,560)	1		1													
Congenital Anomalies (740-759)	80	73	23	31	25	9	9	8	10	10	7	7	4	4	2	4
Anencephalus (740)	4	6	3	6	1											
Spina Bifida and Meningocele (741)																
Other Anomalies of the Central Nervous System (742)	6	6	1	2	1	1			1		3	1		1		1
Anomalies of the Heart (745-746)	33	21	5	2	12	3	6	5	4	8	2	1	2	1	2	1
Other Anomalies of Circulatory System (747)	2	3		1	2	1		1								
Anomalies of the Respiratory System (748)	8	6	2	4	3				1			1	2	1		
Anomalies of the Digestive System (749-751)		4						1				1				2
Anomalies of the Genitourinary System (752-753)	9	6	7	4	1	1	1							1		
Anomalies of the Musculoskeletal System (754-756)	4	7	1	5		2	1		1		1					
Chromosomal Anomalies (758)	9	10	2	6	3		1	1	2	1	1	2				
Other Congenital Anomalies	5	4	2	1	2	1			1	1		1				
Certain Diseases of Early Infancy (760-779)	159	98	80	49	30	19	28	20	10	6	5	1	5	1	1	2
Maternal Diseases Affecting Child (760)	1	1			1	1										
Complications of Pregnancy Affecting Child (761-762)	24	16	20	15	1	1	2		1							
Birth Injuries (763,767-769)	62	32	26	8	15	8	15	10	4	4	1	1	1			1
Other Diseases Peculiar to Early Infancy	72	49	34	26	13	9	11	10	5	2	4		4	1	1	1
Sudden Infant Death Syndrome (7980)	115	67				1	7	7	58	34	42	20	6	5	2	
All Other Diseases (000-799)	13	13	1	2	1	1		1	4	2	3	2	1	3	3	2
All Accidents (E800-E949)	10	5					2		2		1	3	2		3	2
Motor Vehicle Accidents (E810-E825)	1	1										1			1	
Accidental Drowning and Submersion (E910)	1	2													1	2
Inhalation of Food or Other Object Causing Obstruction or Suffocation (E911-E912)	1	1	1	1												
Mechanical Suffocation in Bed or Cradle and in Other and Unspecified Circumstances (E913)	2	1	1	1	1											
All Other Accidents	5		1	2		1		1								
Homicide (E963-E968)	1	3		1	1		1		1							
Injury Undetermined Whether Accidentally or Purposely Inflicted (E980-E988)																

Table 22

Matched Infant Deaths by Race at Birth by Place of Residence, Washington State 1987[1]

County and City	Total	White	Black	Mexican/ Chicano	Indian	Japan-ese	Chinese	Filipino	Other Asian	Other	Unknown
State Total	680	523	57	12	33	1	3	4	32		15
Adams	2	1		1							
Asotin	8	8									
Benton	17	15		1					1		
Kennewick	10	9							1		
Richland	6	6									
Chelan	10	9	1								
Wenatchee	6	5	1								
Clallam	14	9			5						
Port Angeles	4	4									
Clark	16	12	2		1				1		
Vancouver	5	3			1				1		
Columbia											
Cowlitz	9	8			1						
Kelso	3	3									
Longview	3	3									
Douglas	2	2									
Ferry	1	1									
Franklin	2	1					1				
Pasco	2	1					1				
Garfield											
Grant	10	8		2							
Moses Lake	4	4									
Grays Harbor	12	11			1						
Aberdeen	4	4									
Island	4	2	1								1
Oak Harbor	2		1								1
Jefferson	2	2									
King	188	135	25		6	1	2	3	10		6
Auburn	4	3									1
Bellevue	11	8	1						2		
Des Moines											
Kent	7	6									1
Kirkland	2	2									
Mercer Island											
Redmond	3	3									1
Renton	11	10						1			
Seattle	80	43	21		5	1	1	2	5		2
Kitsap	27	22	1		1				1		2
Bremerton	12	8	1		1				1		1
Kittitas	4	4									
Ellensburg	3	3									
Klickitat	2	2									
Lewis	8	7									1
Centralia	1	1									
Lincoln											
Mason	3	2			1						
Okanogan	7	4		1	2						
Pacific											
Pend Oreille											
Pierce	109	73	19		5			1	11		
Puyallup	4	4									
Tacoma	47	27	11		3				6		
San Juan											
Skagit	13	11							1		1
Anacortes	1								1		
Mount Vernon	2	2									
Skamania											
Snohomish	73	67	2		2				2		
Edmonds	2	1							1		
Everett	22	20	2								
Lynnwood	7	7									
Mountlake Terrace	5	5									
Spokane	64	54	4		2				3		1
Spokane (city)	36	28	3		2				2		1
Stevens	3	3									
Thurston	13	11	1						1		
Lacey	2	1							1		
Olympia	3	3									
Wahkiakum											
Walla Walla	11	9		1					1		
Walla Walla (city)	7	5		1					1		
Whatcom	18	13			2						3
Bellingham	6	4									2
Whitman	4	4									
Pullman	2	2									
Yakima	24	13	1	6	4						
Yakima (city)	6	4	1	1							

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[1] Tables prior to data year 1987 use infant's race at death.

Table 23

Infant Mortality by Leading Causes by Place of Residence, Washington State 1987

County and City	Total All Causes	Birth Injuries	Other Causes of Mortality in Early Infancy	Congenital Malformations	Influenza and Pneumonia	All Accidents	Sudden Infant Death	All Other Causes
State Total	581	94	163	153	6	15	182	68
Adams	2			2				
Asotin	8	2	1				3	2
Benton	17	1		8			2	6
Kennewick	10	1		5			1	3
Richland	6			2			1	3
Chelan	10	1		2		2	3	2
Wenatchee	6	1		1		1	1	2
Clallam	14	1	4	4			4	1
Port Angeles	4	1	1	2				
Clark	16	3	3	3		1	4	2
Vancouver	5		1	2			2	
Columbia								
Cowlitz	9		1	2			4	2
Kelso	3		1	1			1	
Longview	3			1			1	1
Douglas	2						1	1
Ferry	1		1					
Franklin	2			1			1	
Pasco	2			1			1	
Garfield								
Grant	10	3	2	3			2	
Moses Lake	4	1	1	1			1	
Grays Harbor	12	2	2	4			4	
Aberdeen	4			3			1	
Island	4			2			1	1
Oak Harbor	2						1	1
Jefferson	2		1				1	
King	188	27	49	41	2	6	49	14
Auburn	4			1			2	1
Bellevue	11	1	3	3			4	
Kent	7	2	2	2			1	
Kirkland	2						1	1
Mercer Island								
Redmond	3		2	1				
Renton	11		2	6			2	1
Seattle	80	12	25	13	1	2	19	8
Kitsap	27	4	5	6			4	8
Bremerton	12	1	2	1			3	5
Kittitas	4	1					2	1
Ellensburg	3	1					1	1
Klickitat	2		2					
Lewis	8	3	2	2				1
Centralia	1			1				
Lincoln								
Mason	3		2			1		
Okanogan	7		4	1			2	
Pacific								
Pend Oreille								
Pierce	110	18	27	26	1	2	27	9
Puyallup	4	1	1	2				
Tacoma	48	12	9	10			14	3
San Juan								
Skagit	13	1	6	4			2	
Mount Vernon	2		1				1	
Skamania								
Snohomish	73	10	19	9	1	1	28	5
Edmonds	2			1			1	
Everett	22	4	4	4	1		7	2
Lynnwood	7		4	1			2	
Mountlake Terrace	5		3	1			1	
Spokane	64	8	17	15		1	18	5
Spokane (city)	36	2	13	8			10	3
Stevens	3	1		2				
Thurston	13		5	3			4	1
Lacey	2		2					
Olympia	3			1			2	
Wahkiakum								
Walla Walla	11	2	2	1	2		2	2
Walla Walla (city)	7	1	2	1	2			1
Whatcom	18	4	3	5		1	5	
Bellingham	6	2	2				2	
Whitman	4			2			1	1
Pullman	2			1				1
Yakima	24	2	5	5			8	4
Yakima (city)	6		2	2				2

Table 24

Matched Infant Deaths by Mother's Age Group by Place of Residence, Washington State 1987[1]

County and City	Total[2]	Under 15	15–19	20–24	25–29	30–34	35–39	40–44	45 and Over	Age Unknown
State Total	680	10	96	212	201	119	26	8	1	7
Adams	2	–	1	1	–	–	–	–	–	–
Asotin	8	–	3	1	4	–	–	–	–	–
Benton	17	–	1	9	5	2	–	–	–	–
Kennewick	10	–	1	8	–	1	–	–	–	–
Richland	6	–	–	1	4	1	–	–	–	–
Chelan	10	1	1	5	2	1	–	–	–	–
Wenatchee	6	1	–	4	–	1	–	–	–	–
Clallam	14	1	1	5	1	4	–	2	–	–
Port Angeles	4	–	–	3	–	1	–	–	–	–
Clark	16	1	–	3	5	6	–	–	1	–
Vancouver	5	–	–	1	1	2	–	–	1	–
Columbia	–	–	–	–	–	–	–	–	–	–
Cowlitz	9	–	1	[illegible]	3	2	–	–	–	–
Kelso	3	–	–	–	2	1	–	–	–	–
Longview	3	–	1	1	1	–	–	–	–	–
Douglas	2	–	–	1	1	–	–	–	–	–
Ferry	1	–	–	–	–	1	–	–	–	–
Franklin	2	–	–	1	–	1	–	–	–	–
Pasco	2	–	–	1	–	1	–	–	–	–
Garfield	–	–	–	–	–	–	–	–	–	–
Grant	10	1	1	3	2	2	–	1	–	–
Moses Lake	4	–	–	1	2	1	–	–	–	–
Grays Harbor	12	–	3	4	2	1	2	–	–	–
Aberdeen	4	–	1	2	1	–	–	–	–	–
Island	4	–	–	2	2	–	–	–	–	–
Oak Harbor	2	–	–	1	1	–	–	–	–	–
Jefferson	2	–	–	1	–	1	–	–	–	–
King	188	1	18	50	61	36	14	2	–	6
Auburn	4	–	1	–	1	1	–	–	–	1
Bellevue	11	–	1	1	4	3	1	–	–	1
Kent	7	–	–	4	3	–	–	–	–	–
Kirkland	2	–	–	1	–	1	–	–	–	–
Redmond	3	–	–	1	1	–	1	–	–	–
Renton	11	–	1	4	3	3	–	–	–	–
Seattle	80	1	9	19	21	19	7	1	–	3
Kitsap	27	–	4	7	11	3	2	–	–	–
Bremerton	12	–	1	4	5	1	1	–	–	–
Kittitas	4	–	1	2	1	–	–	–	–	–
Ellensburg	3	–	–	2	1	–	–	–	–	–
Klickitat	2	–	–	–	2	–	–	–	–	–
Lewis	8	–	2	3	1	1	–	–	–	1
Centralia	1	–	1	–	–	–	–	–	–	–
Lincoln	–	–	–	–	–	–	–	–	–	–
Mason	3	–	–	2	1	–	–	–	–	–
Okanogan	7	–	3	1	1	1	1	–	–	–
Pacific	–	–	–	–	–	–	–	–	–	–
Pend Oreille	–	–	–	–	–	–	–	–	–	–
Pierce	109	2	19	39	26	17	6	–	–	–
Puyallup	4	–	–	2	1	1	–	–	–	–
Tacoma	47	1	10	15	11	8	2	–	–	–
San Juan	–	–	–	–	–	–	–	–	–	–
Skagit	13	–	3	5	2	3	–	–	–	–
Anacortes	1	–	–	–	1	–	–	–	–	–
Mount Vernon	2	–	1	1	–	–	–	–	–	–
Skamania	–	–	–	–	–	–	–	–	–	–
Snohomish	73	1	9	20	22	19	1	1	–	–
Edmonds	2	–	–	–		1	1	–	–	–
Everett	22	–	5	11	3	3	–	–	–	–
Lynnwood	7	1	–	–	4	2	–	–	–	–
Mountlake Terrace	5	–	1	–	1	3	–	–	–	–
Spokane	64	1	7	23	22	10	–	1	–	–
Spokane (city)	36	1	4	14	10	6	–	1	–	–
Stevens	3	–	1	–	1	–	–	1	–	–
Thurston	13	–	2	5	6	–	–	–	–	–
Lacey	2	–	1	1	–	–	–	–	–	–
Olympia	3	–	–	1	2	–	–	–	–	–
Wahkiakum	–	–	–	–	–	–	–	–	–	–
Walla Walla	11	–	3	4	3	1	–	–	–	–
Walla Walla (city)	7	–	1	3	2	1	–	–	–	–
Whatcom	18	–	3	6	2	7	–	–	–	–
Bellingham	6	–	2	3	1	–	–	–	–	–
Whitman	4	–	–	2	2	–	–	–	–	–
Pullman	2	–	–	1	1	–	–	–	–	–
Yakima	24	1	9	4	10	–	–	–	–	–
Yakima (city)	6	–	3	1	2	–	–	–	–	–

[1] Deaths are matched with births to find mother's age. Residence is the infant's at the time of death.

[2] Some totals are inconsistent with other tables in this report due to late corrections. The state, county, and city totals herein are considered more correct.

Table 25

Fetal, Perinatal, Neonatal and Infant Mortality by Place of Residence, Washington State 1987

County and City	Fetal Deaths		Perinatal Mortality[2]		Neonatal Mortality		Infant Mortality	
	Number	Ratio[1]	Number	Rate[3]	Number	Rate[4]	Number	Rate[4]
State Total	411	5.8	689	9.7	365	5.2	681	9.7
Adams	2	7.2	4	14.4	2	7.2	2	7.2
Asotin			3	13.1	3	13.1	8	34.9
Benton	10	5.5	17	9.3	9	4.9	17	9.3
Kennewick	5	6.3	10	12.4	6	7.5	10	12.5
Richland	1	2.2	2	4.4	2	4.4	6	13.3
Chelan	7	8.7	8	9.9	2	2.5	10	12.4
Wenatchee	4	11.5	5	14.2	1	2.9	6	17.2
Clallam	5	6.5	11	14.3	7	9.2	14	18.3
Port Angeles			2	7.0	2	7.0	4	14.0
Clark	10	3.0	17	5.2	9	2.7	16	4.9
Vancouver	3	2.1	6	4.3	4	2.9	5	3.6
Columbia	1	20.8	1	20.4				
Cowlitz	6	5.1	8	6.8	3	2.5	9	7.6
Kelso			1	4.5	2	9.0	3	13.6
Longview	1	2.1	2	4.1	1	2.1	3	6.2
Douglas	3	8.7	3	8.7			2	5.8
Ferry	1	14.1	2	27.8	1	14.1	1	14.1
Franklin	6	8.1	6	8.0	1	1.3	2	2.7
Pasco	3	6.5	3	6.4	1	2.2	2	4.3
Garfield								
Grant	8	8.6	12	12.7	6	6.4	10	10.7
Moses Lake	2	9.4	3	14.0	3	14.1	4	18.8
Grays Harbor	4	4.4	9	9.9	7	7.8	12	13.3
Aberdeen	3	12.6	5	20.7	2	8.4	4	16.7
Island	7	7.7	9	9.8	2	2.2	4	4.4
Oak Harbor	5	12.8	5	12.7			2	5.1
Jefferson	3	13.8	4	18.2	1	4.6	2	9.2
King	107	5.2	188	9.2	105	5.1	188	9.2
Auburn	3	5.7	4	7.6	1	1.9	4	7.6
Bellevue	6	6.6	11	12.1	6	6.6	11	12.2
Kent	5	9.5	9	16.9	5	9.5	7	13.3
Kirkland	4	12.7	5	15.6	1	3.2	2	6.3
Mercer Island	2	13.5	2	13.3				
Redmond	2	4.5	4	9.0	3	6.8	3	6.8
Renton	4	6.2	10	15.4	6	9.3	11	17.0
Seattle	53	7.7	93	13.4	52	7.6	80	11.6
Kitsap	19	6.8	34	12.0	17	6.1	27	9.6
Bremerton	5	5.6	10	11.2	6	6.8	12	13.5
Kittitas	2	7.0	3	10.5	1	3.5	4	14.1
Ellensburg			1	7.7	1	7.7	3	23.1
Klickitat			2	9.3	2	9.3	2	9.3
Lewis	2	2.4	5	5.9	4	4.8	8	9.5
Centralia	1	4.4	1	4.4			1	4.4
Lincoln								
Mason	5	10.5	7	14.5	3	6.3	3	6.3
Okanogan	3	5.6	5	9.3	6	11.3	7	13.2
Pacific	1	4.5	1	4.4				
Pend Oreille	1	9.2	1	9.1				
Pierce	71	7.4	110	11.3	56	5.8	110	11.4
Puyallup			4	11.4	4	11.4	4	11.4
Tacoma	33	10.0	49	14.7	25	7.6	48	14.6
San Juan								
Skagit	5	4.7	15	14.1	10	9.4	13	12.3
Mount Vernon	2	7.5	3	11.2	1	3.7	2	7.5
Skamania								
Snohomish	33	4.9	59	8.6	32	4.7	73	10.7
Edmonds	7	17.2	8	19.4	1	2.5	2	4.9
Everett	5	3.6	12	8.7	11	8.0	22	16.0
Lynnwood	2	3.7	6	11.1	4	7.4	7	13.0
Mountlake Terrace	1	3.4	5	17.1	4	13.7	5	17.2
Spokane	34	6.3	64	11.8	36	6.7	64	11.9
Spokane (city)	23	7.8	41	13.8	21	7.1	36	12.2
Stevens	4	9.4	5	11.7	3	7.1	3	7.1
Thurston	18	8.3	23	10.5	8	3.7	13	6.0
Lacey	4	18.7	5	22.9	2	9.3	2	9.3
Olympia	4	6.1	5	7.5	2	3.0	3	4.5
Wahkiakum								
Walla Walla	2	3.1	4	6.3	5	7.9	11	17.3
Walla Walla (city)	1	2.4	3	7.3	4	9.7	7	17.0
Whatcom	10	6.3	17	10.6	11	6.9	18	11.3
Bellingham	4	6.3	6	9.4	4	6.3	6	9.5
Whitman	2	5.2	3	7.8	2	5.2	4	10.4
Pullman	1	4.6	1	4.6	1	4.6	2	9.2
Yakima	19	5.5	29	8.4	11	3.2	24	7.0
Yakima (city)	5	5.1	9	9.1	4	4.1	6	6.1

[1] Ratio per 1,000 live births

[2] Fetal deaths plus liveborn infants dying at 6 days and under

[3] Rate per 1,000 live births plus fetal deaths

[4] Rate per 1,000 live births

Table 26

Fetal, Perinatal, Neonatal and Infant Mortality by Place of Occurrence, Washington State 1987

County and City	Fetal Deaths Number	Fetal Deaths Ratio[1]	Perinatal Mortality[2] Number	Perinatal Mortality[2] Rate[3]	Neonatal Mortality Number	Neonatal Mortality Rate[4]	Infant Mortality Number	Infant Mortality Rate[4]
State Total	413	6.0	699	10.0	379	5.5	686	9.9
Adams	3	10.4	3	10.3				
Asotin							3	3000.0
Benton	11	5.1	14	6.4	4	1.9	11	5.1
Kennewick	4	5.0	4	4.9	1	1.2	4	5.0
Richland	6	5.7	9	8.6	3	2.9	6	5.7
Chelan	9	7.8	10	8.5	2	1.7	8	6.9
Wenatchee	8	7.4	9	8.3	1	.9	6	5.5
Clallam	3	3.9	5	6.5	2	2.6	7	9.2
Port Angeles	3	4.5	5	7.4	2	3.0	4	6.0
Clark	7	3.1	10	4.5	4	1.8	8	3.6
Vancouver	6	2.7	9	4.1	4	1.8	7	3.2
Columbia								
Cowlitz	7	5.7	8	6.5	2	1.6	6	4.9
Longview	7	5.7	8	6.5	2	1.6	6	4.9
Douglas								
Ferry								
Franklin	5	8.9	5	8.8			2	3.6
Pasco	5	8.9	5	8.9			2	3.6
Garfield								
Grant	5	6.6	6	7.8	2	2.6	7	9.2
Moses Lake	4	6.7	4	6.7			3	5.0
Grays Harbor	3	5.1	4	6.7	1	1.7	5	8.5
Aberdeen	2	3.5	3	5.2	1	1.7	4	6.9
Island	5	6.4	6	7.7	1	1.3	2	2.6
Jefferson	2	11.9	2	11.8			2	11.9
King	133	5.8	272	11.9	188	8.3	304	13.3
Auburn	2	3.6	2	3.6			3	5.4
Bellevue	9	3.9	11	4.8	2	.9	5	2.2
Kent							9	300.0
Kirkland	4	2.3	5	2.9	1	.6	5	2.9
Redmond	4	2.8	5	3.5	1	.7	1	.7
Renton	10	3.9	14	5.4	4	1.5	8	3.1
Seattle	101	7.6	231	17.2	178	13.3	262	19.6
Kitsap	16	6.5	20	8.1	5	2.0	10	4.1
Bremerton	12	6.8	13	7.4	1	.6	3	1.7
Kittitas	2	8.0	2	7.9			3	12.0
Ellensburg	2	8.0	2	7.9			3	12.0
Klickitat								
Lewis	2	2.3	3	3.4	1	1.1	2	2.3
Centralia	1	2.6	1	2.5				
Lincoln								
Mason	2	7.8	2	7.8	1	3.9	1	3.9
Okanogan	3	5.6	4	7.5	1	1.9	3	5.6
Pacific								
Pend Oreille								
Pierce	75	7.1	122	11.5	61	5.8	104	9.9
Puyallup	6	4.6	9	6.9	3	2.3	4	3.1
Tacoma	52	8.1	82	12.7	42	6.6	72	11.2
San Juan								
Skagit	6	4.5	7	5.3	1	.8	4	3.0
Mount Vernon	4	4.8	4	4.8			2	2.4
Skamania								
Snohomish	25	5.3	35	7.4	10	2.1	42	8.9
Edmonds	13	8.9	19	12.9	6	4.1	8	5.5
Everett	11	4.0	14	5.1	3	1.1	20	7.3
Lynnwood							6	500.0
Mountlake Terrace							1	200.0
Spokane	42	6.9	93	15.2	70	11.5	104	17.1
Spokane (city)	41	7.2	92	16.1	70	12.3	104	18.3
Stevens	2	8.0	2	7.9				
Thurston	14	6.9	17	8.3	4	2.0	11	5.4
Olympia	14	6.9	17	8.4	4	2.0	8	4.0
Wahkiakum								
Walla Walla	4	4.5	6	6.8	4	4.5	8	9.1
Walla Walla (city)	4	4.6	6	6.8	4	4.6	8	9.1
Whatcom	6	3.9	9	5.8	3	1.9	8	5.2
Bellingham	6	3.9	9	5.9	3	2.0	7	4.6
Whitman	1	2.5	3	7.5	2	5.0	2	5.0
Pullman	1	2.5	3	7.6	2	5.1	2	5.1
Yakima	20	6.0	29	8.6	10	3.0	19	5.7
Yakima (city)	13	5.2	21	8.3	8	3.2	13	5.2

[1] Ratio per 1,000 live births

[2] Fetal deaths plus liveborn infants dying at 6 days and under

[3] Rate per 1,000 live births plus fetal deaths

[4] Rate per 1,000 live births

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Table 27

Fetal Mortality by Sex and Weight, Washington State Residents 1987

Gram Weight	Total	Male	Female	Sex Unknown
State Total	411	217	191	3
1,000 Grams Or Less	163	81	80	2
1,001 - 1,500	36	20	16	
1,501 - 2,000	23	11	12	
2,001 - 2,500	35	16	19	
2,501 - 3,000	29	16	13	
3,001 - 3,500	33	21	12	
3,501 - 4,000	22	13	9	
4,001 - 4,500	8	8	0	
4,501 and Over	8	4	4	
Not Stated	54	27	26	1

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Table 28

Fetal Mortality by Cause, Washington State Residents 1987

Cause with International List Number		Totals
Total All Causes		411
Congenital Anomalies (740-759)		40
Anencephalus (740)	6	
Spina Bifida (741)		
Other Anomalies of the Central Nervous System (742)	5	
Anomalies of the Heart (745-746)	6	
Other Anomalies of Circulatory System (747)	1	
Anomalies of Respiratory System (748)		
Anomalies of Digestive System (749-751)		
Anomalies of the Genitourinary System (752-753)	5	
Anomalies of Musculoskeletal System (754-756)	3	
Chromosomal Anomalies (758)	5	
Other and Unspecified Congenital Anomalies (743-744,757,759)	9	
Certain Causes of Perinatal Morbidity and Mortality (760-779)		368
Maternal Conditions Which May Be Unrelated to Pregnancy (760)		
Chronic Hypertension (760.0)	7	
Maternal Infections (760.2)	3	
Maternal Injury (760.5)	1	
Other Maternal Conditions (760.1,760.3-760.4,760.6-760.9)	3	
Maternal Conditions Related to Pregnancy (761)		
Incompetent Cervix (761.0)	5	
Premature Rupture of Membranes (761.1)	21	
Other Maternal Conditions (761.2-761.9)	7	
Complications of Placenta, Cord, And Membranes (762)		
Complications of Placenta (762.0-762.3)	82	
Complications of Cord (762.4-762.6)	74	
Complications of Membranes (762.7-762.9)	16	
Complications of Labor (763)	3	
Other Complications of Pregnancy and Childbirth (764-767)	20	
Intrauterine Hypoxia (768)	17	
Diseases of the Fetus and Ill-defined Causes (770-779)		
Respiratory Conditions (770)	1	
Infections Specific to the Perinatal Period (771)	2	
Fetal Hemorrhage (772)	3	
Haemolytic Disease and Other Perinatal Jaundice (773-774)		
Endocrine and Metabolic Disturbances (775)	1	
Haematological Disorders (776)		
Disorders of Digestive System (777)		
Conditions Involving the Integument and Temperature Regulation (778)	4	
Other Conditions of Fetus (779)	98	
All Other Causes (001-739,780-799)		3

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Table 29

Fetal Deaths by Mother's Age Group by Place of Residence, Washington State 1987

County	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Total	411	2	19	30	98	117	102	30	2		11
Adams	2			1			1				
Asotin											
Benton	10				4	2	4				
Chelan	7					3	4				
Clallam	5		2				3				
Clark	10		1		3	4	2				
Columbia	1						1				
Cowlitz	6				3	3					
Douglas	3				1	1		1			
Ferry	1						1				
Franklin	6		2	2	1	1					
Garfield											
Grant	8		1		4	2	1				
Grays Harbor	4				1	1	1	1			
Island	7		1	1	3	1					1
Jefferson	3			1		1	1				
King	107	1	4	3	26	28	27	12	2		4
Kitsap	19			3	6	5	5				
Kittitas	2			1		1					
Klickitat											
Lewis	2				1		1				
Lincoln											
Mason	5				1						4
Okanogan	3					1	1	1			
Pacific	1					1					
Pend Oreille	1				1						
Pierce	71	1	2	8	20	17	20	3			
San Juan											
Skagit	5					3	2				
Skamania											
Snohomish	33		3	3	4	11	9	2			1
Spokane	34		1	1	6	9	10	7			
Stevens	4				2	2					
Thurston	18			3	3	5	4	2			1
Wahkiakum											
Walla Walla	2				1	1					
Whatcom	10			1	1	5	3				
Whitman	2					2					
Yakima	19		2	2	6	7	1	1			

INDUCED TERMINATIONS OF PREGNANCY

Table 1
Induced Terminations of Pregnancy by Selected Topics, 1987

A. Residence, Age Group of Patient

Age Group	Number	Percent
All Ages	29,067	100.0%[1]
<15	203	.7
15-17	2,993	10.3
18-19	4,013	13.8
20-24	9,433	32.5
25-29	6,308	21.7
30-34	3,726	12.8
35-39	1,878	6.5
40-44	477	1.3
45+	21	0.1
Unknown	15	—

B. Residence, Gestational Age

Weeks	Number	Percent
Total	29,067	100.0%[1]
1-4	625	2.2
5-8	16,164	55.6
9	3,850	13.2
10	3,162	10.9
11	1,512	5.2
12	1,103	3.8
13-15	1,261	4.3
16-19	983	3.4
20+	387	1.3
Unknown	20	0.1

C. Residence, Number of Previous Abortions

Previous Abortions	Number	Percent
Total	29,067	100.0%[1]
0	14,523	50.0
1	7,562	26.0
2	3,111	10.7
3	1,246	4.3
4	480	1.7
Over 4	353	1.2
Unknown	1,792	6.2

D. Residence, Number of Previous Live Births

Previous Live Births	Number	Percent
Total	29,067	100.0%[1]
0	16,185	55.7
1	5,332	18.3
2	3,911	13.5
3	1,299	4.5
4	374	1.3
Over 4	207	0.7
Unknown	1,759	6.1

E. Residence, Number of Previous Pregnancies

Previous Pregnancies	Number	Percent
Total	29,067	
0	9,112	31.3
1	6,283	21.6
2	4,818	16.6
3	3,233	11.1
4	1,832	6.3
Over 4	1,950	6.7
Unknown	1,839	6.3

F. Residence, Race and Hispanic Origin

Race	Number	Percent
Total	29,067	100.0%[1]
White	18,097	62.3
Black	1,359	4.7
Asian	945	3.3
American Indian	239	0.8
Other	306	1.1
Unknown	8,121	27.9
Hispanic Origin	383	1.3

Table 1 (Continued)
Induced Terminations of Pregnancy by Selected Topics, 1987

G. Residence and Occurrence, Travel Pattern

Residence	Number	Percent	Occurrence	Number	Percent
Total	29,067	100.0[1]	Total	30,172	100.0[1]
Inside Home County	19,148	65.9	County Resident	19,148	63.5
Outside Home County	9,918	34.1	Out-of-County Resident	11,024	36.5

H. Occurrence, Operative Procedure

Procedure	Number	Percent
Total	30,172	100.0%[1]
Suction Curettage	27,480	91.1
Dilatation & Evacuation	2,276	7.5
Saline	259	0.9
Prostaglandin	117	0.4
Sharp Curettage	31	0.1
Hysterectomy/Hysterotomy	5	—
Other	3	—
Unknown	1	—

I. Occurrence, State or Country of Residence

State or Country	Number	Percent
Total	30,172	100.0%[1]
Washington	28,198	93.5
Idaho	438	1.5
Oregon	251	0.8
Alaska	201	0.7
Montana	32	0.1
California	26	0.1
Canada	949	3.1
Other States and Contries	64	2.1
Unknown	13	—

J. Occurrence, Type of Complication

Complication	Number	Percent
Total	318	100.0%[1]
Retained Products	78	24.5
Infection	40	12.6
Hemorrhage >500 cc	25	7.9
Uterine Perforation	11	3.6
Failed Abortion	23	7.2
Cervical Laceration	4	1.3
Other Complications[2]	122	38.4
Multiple Complications	15	4.7

K. Occurrence, Type of Facility

Facility Type	Number	Percent
Total	30,172	100.0%[1]
Hospital	1,269	4.2
Nonhospital	28,903	95.8

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[1] Detail may not add to 100% due to rounding.

[2] Other complications include minor complications, such as unexplained pain (47) and hemorrhage less than 500 cc (48).

Table 2

Induced Abortions, Live Births, and Abortion Ratio with Percent Change Washington State Residents 1974-1987

Year	Induced Abortions[1]	Percent Change	Live Births	Percent Change	Abortion Ratio[2]	Percent Change
1974	16,159		50,096		323	
1975	18,628	+15.3	50,821	+1.4	367	+13.6
1976	20,251	+8.7	53,004	+4.3	382	+4.1
1977	23,938	+18.2	57,256	+8.0	418	+9.4
1978	26,254	+9.7	58,725	+2.6	447	+6.9
1979	26,796	+2.1	64,377	+9.6	416	-6.9
1980	27,947	+4.3	67,857	+5.4	412	-1.0
1981	28,968	+3.7	69,756	+2.8	415	+.7
1982	27,431	-5.3	69,529	-.3	395	-4.8
1983	26,560	-3.2	68,705	-1.2	387	-2.0
1984	26,732	+.6	68,947	+.4	388	+.3
1985	25,835	-3.4	70,226	+1.9	368	-5.2
1986	26,991	+4.5	69,431	-1.1	389	+5.7
1987	29,067	+7.7	70,329	+1.3	413	+6.2

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[1] Resident Abortion figures for 1974 through 1977 are estimates derived from occurrence abortion counts for those years. The occurrence counts were discounted 11.4 percent on the basis of the 1978 ratio of residents to occurrences (i.e., 88.86 percent of the total abortions reported in 1978 were to Washington State residents). Note that these estimates are not the same as those published in the 1978 and 1979 reports.

[2] Number of resident abortions per 1,000 resident live births.

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Table 3

Reported Pregnancies by Age of Patient and Pregnancy Outcome with Percents Washington State Residents, 1987

Age of Patient	Abortions		Fetal Deaths		Live Births		Total Reported Pregnancies
Under 15	203	(65.6%)	2	(.6%)	105	(33.8%)	310
15-17	2,993	(54.5%)	19	(.3%)	2,477	(45.1%)	5,489
18-19	4,013	(45.7%)	30	(.3%)	4,741	(54.0%)	8,784
20-24	9,433	(32.7%)	98	(.3%)	19,324	(67.0%)	28,855
25-29	6,308	(21.5%)	117	(.4%)	22,924	(78.1%)	29,349
30-34	3,726	(19.9%)	102	(.5%)	14,942	(79.6%)	18,770
35-39	1,878	(27.0%)	30	(.4%)	5,055	(72.6%)	6,963
40-44	477	(41.5%)	2	(.2%)	671	(58.3%)	1,150
45 & Over	21	(47.3%)			29	(52.7%)	50
Unknown	15	(12.2%)	11	(13.4%)	61	(74.4%)	87
All Ages	29,067	(29.1%)	411	(.4%)	70,329	(70.5%)	99,807

SHABB4-R004

Table 4

Age Group Specific Fertility Rate, Abortion Rate, and Abortion Ratio, Washington State Residents 1987

Age of Patient	1987 Female Population[1]	Fertility Rate[2]	Abortion Rate[3]	Abortion Ratio[4]
10-14	142,460	.7	1.4	1,933
15-19	160,225	45.1	43.7	971
15-17	94,582	26.2	31.6	1,208
18-19	65,643	72.2	61.1	846
20-24	167,375	115.5	56.4	488
25-29	188,630	121.5	33.4	275
30-34	199,858	74.8	18.6	249
35-39	190,820	26.5	9.8	372
40-44	156,713	4.3	3.0	711
45-49	113,896	.2	.2	808
15-44	1,063,621	65.9	27.1	411

[1] 1987 population estimates from the Office of Financial Management

[2] Resident live births for specific age group per 1,000 female population in that age group.

[3] Resident abortions for specific age group per 1,000 female population in that age group.

[4] Resident abortions for specific age group per 1,000 resident live births for that age group.

SHABB4-007

Table 5

Previous Livebirths by Age of Patient, Washington State Residents 1987

Age of Patient	Previous Live Births							
	Total	0	1	2	3	4	Over 4	Unknown
State Total	29,067	16,185	5,332	3,911	1,299	374	207	1,759
Under 15	203	186	5					12
15-17	2,993	2,631	130	12	1			219
18-19	4,013	3,060	531	102	14	1		305
20-24	9,433	5,600	1,995	1,001	207	45	9	576
25-29	6,308	2,719	1,409	1,239	431	114	51	345
30-34	3,726	1,324	822	883	345	102	57	193
35-39	1,878	550	353	522	227	79	53	94
40-44	477	101	84	145	70	28	34	15
45 & Over	21	1	2	6	4	5	3	
Unknown	15	13	1	1				

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Table 6

Previous Induced Abortions by Age of Patient, Washington State Residents 1987

Age of Patient	Previous Abortions							
	Total	0	1	2	3	4	Over 4	Unknown
State Total	29,067	14,523	7,562	3,111	1,246	480	353	1,792
Under 15	203	178	10	3				12
15-17	2,993	2,333	374	58	4	3	1	220
18-19	4,013	2,648	826	173	47	8	3	308
20-24	9,433	4,579	2,681	1,063	345	116	66	583
25-29	6,308	2,317	1,925	969	438	164	143	352
30-34	3,726	1,366	1,109	556	274	124	95	202
35-39	1,878	832	494	237	122	57	38	98
40-44	477	247	135	49	16	7	7	16
45 & Over	21	13	6	1		1		
Unknown	15	10	2	2				1

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Table 7

Induced Abortions by Age of Patient by Gestation of Pregnancy, Washington State Residents 1987

Weeks Gestation	Age of Patient										
	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown
State Total	29,067	203	2,993	4,013	9,433	6,308	3,726	1,878	477	21	15
Under 9	16,788	73	1,375	2,096	5,409	3,941	2,384	1,203	281	15	12
9-12	9,627	90	1,181	1,442	3,158	1,930	1,098	553	167	5	3
13-15	1,261	12	186	216	429	218	126	54	19	1	
16-19	983	18	177	197	310	155	75	44	7		
20 & Over	387	9	72	62	123	60	37	21	3		
Unknown	20	1	2		4	4	6	3			

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Table 8

Induced Abortions by Type of Procedure by Gestation of Pregnancy, Washington State Occurrences 1987

Type of Procedure	Weeks Gestation						
	Total	Under 9	9-12	13-15	16-19	20 & Over	Unknown
State Total	30,172	17,532	9,799	1,311	1,057	455	18
Suction Curettage	27,480	17,167	9,626	608	61	5	13
Dilatation & Evacuation	2,276	347	158	694	815	260	2
Sharp Curettage	31	16	12	1			2
Saline	259				105	154	
Prostaglandin	117		1	7	74	35	
Hysterotomy/Hysterectomy	5	2	2	1			
Other	3				2	1	
Unknown	1						1

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Table 9

Induced Abortions with Complications by Type of Procedure by Gestation of Pregnancy, Washington State Occurrences 1987

Type Of Procedure	Weeks Gestation						
	Total[2]	Under 9	9-12	13-15	16-19	20 & Over	Unknown
State Total Rate[1]	318 10.5	153 8.7	105 10.7	8 6.1	35 33.1	16 35.2	1 55.6
Suction Curettage Rate[1]	232 8.4	129 7.5	96 10.0	3 4.9	3 49.2		1 76.9
Dilatation And Evacuation(D&E) Rate1	49 21.5	22 63.4	8 50.6	4 5.8	12 14.7	3 11.5	
Sharp Curettage Rate[1]	3 96.8	2 125.0	1 83.3				
Saline Rate[1]	13 50.2				8 76.2	5 32.5	
Prostaglandin Rate[1]	20 170.9			1 142.9	11 148.6	8 228.6	
Hysterotomy/Hysterectomy Rate[1]							
Other Rate[1]	1 333.3				1 500.0		
Unknown Rate[1]							

[1] Complications per 1,000 procedures performed

[2] Total number of patients with complications was 318. Total number of complications was 334.

SHABB4-R010

Table 10

Induced Abortions with Complications by Type by Gestation of Pregnancy, Washington State Occurrences 1987

Type Of Complication	Weeks Gestation						
	Total[2]	Under 9	9-12	13-15	16-19	20 & Over	Unknown
State Total Rate[1]	318 10.5	153 8.7	105 10.7	8 6.1	35 33.1	16 35.2	1 55.6
Hemorrhage Rate1	25 .8	8 .5	7 .7	3 2.3	5 4.7	2 4.4	1
Infection Rate[1]	40 1.3	26 1.5	11 1.1		2 1.9	1 2.2	1
Uterine Perforation Rate[1]	11 .4	6 .3	3 .3		2 1.9		1
Cervical Laceration Rate[1]	4 .1	2 .1	2 .2				1
Retained Products Rate[1]	78 2.6	38 2.2	18 1.8	1 .8	11 10.4	10 22.0	1
Failed Abortion Rate[1]	23 .8	20 1.1	2 .2		1 .9		1
Other Complications Rate[1]	122 4.0	48 2.7	58 5.9	4 3.1	10 9.5	1 2.2	1 55.6
Multiple Complications Rate[1]	15 .5	5 .3	4 .4		4 3.8	2 4.4	1

[1] Complications per 1,000 procedures performed

[2] Total number of patients with complications was 318. Total number of complications was 334.

SHABB4-R009

Table 11

Induced Abortions with Complications by Gestation of Pregnancy with Rates, Washington State Occurrences 1983-1987

Weeks Gestation	1983	1984	1985	1986	1987
State Total	27,857	27,783	26,581	27,947	30,172
Complication Cases	236	175	153	252	318
Complication Rate[1]	8.5	6.3	5.8	9.0	10.5
Under 9 Wks Gestation	16,460	15,165	14,092	15,948	17,532
Complication Cases	127	73	63	125	153
Complication Rate[1]	7.7	4.8	4.5	7.8	8.7
9-12 Wks Gestation	9,217	10,170	9,774	9,206	9,799
Complication Cases	60	65	45	82	105
Complication Rate[1]	6.5	6.4	4.6	8.9	10.7
13-15 Wks Gestation	1,117	1,254	1,385	1,430	1,311
Complication Cases	27	6	10	9	8
Complication Rate[1]	24.2	4.8	7.2	6.3	6.1
16-19 Wks Gestation	837	887	992	1,068	1,057
Complication Cases	19	18	23	26	35
Complication Rate[1]	22.7	20.3	23.2	24.3	33.1
Over 19 Wks Gestation	195	287	330	281	455
Complication Cases	3	13	12	10	16
Complication Rate[1]	15.4	45.3	36.4	35.6	35.2
Unknown Gestation	31	20	8	14	18
Complication Cases					1
Complication Rate[1]					55.6

[1] Complications per 1,000 procedures

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Table 12

Induced Abortions with Complications by Type of Procedure with Rates, Washington State Occurrences 1983-1987

Procedure	1983	1984	1985	1986	1987
State Total	27,857	27,783	26,581	27,947	30,172
Complication Cases	236	175	153	252	318
Complication Rate[1]	8.5	6.3	5.8	9.0	10.5
Suction Curettage	26,050	25,898	24,529	25,603	27,480
Complication Cases	201	134	112	194	232
Complication Rate[1]	7.7	5.2	4.6	7.6	8.4
Dilatation & Evacuation	1,289	1,453	1,670	2,001	2,276
Complication Cases	16	14	7	31	49
Complication Rate[1]	12.4	9.6	4.2	15.5	21.5
Sharp Curettage	26	9	11	12	31
Complication Cases		2	1	2	3
Complication Rate[1]		222.2	90.9	166.7	96.8
Prostaglandin	155	167	134	114	117
Complication Cases	4	9	13	9	20
Complication Rate[1]	25.8	53.9	97.0	78.9	170.9
Saline	328	244	227	211	259
Complication Cases	15	14	20	16	13
Complication Rate[1]	45.7	57.4	88.1	75.8	50.2
Hysterotomy/Hysterectomy	6	8	5	3	5
Complication Cases		2			
Complication Rate[1]		250.0			
Other Procedure	3		3	2	3
Complication Cases					1
Complication Rate[1]					333.3
Unknown		4	2	1	1
Complication Cases					
Complication Rate[1]					

[1] Complications per 1,000 procedures

Table 13 Induced Abortion Intercounty

Occurrence → Residence ↓	Adams	Asotin	Benton	Chelan	Clallam	Clark	Columbia	Cowlitz	Douglas	Ferry	Franklin	Garfield	Grant	Grays Harbor	Island	Jefferson	King
Adams													19				
Asotin																	1
Benton													5				16
Chelan													18				117
Clallam					5												99
Clark						358											9
Columbia													1				
Cowlitz						42											24
Douglas													6				32
Ferry													2				
Franklin													10				4
Garfield													1				
Grant													159				9
Grays Harbor																	173
Island															73		104
Jefferson																	30
King																	12780
Kitsap																	782
Kittitas																	54
Klickitat						8											
Lewis						2											83
Lincoln													4				1
Mason																	51
Okanogan													2				34
Pacific						5											10
Pend Oreille													1				1
Pierce													1				1672
San Juan																	27
Skagit															4		191
Skamania						6											
Snohomish															1		2304
Spokane													19				71
Stevens													2				3
Thurston																	371
Wahkiakum						2											1
Walla Walla													1				11
Whatcom															1		126
Whitman													2				33
Yakima																	35
County Unknown																	
Out-of-State						83							5		1		346
Non-US																	697

Travel Patterns, Washington State, 1987

Kitsap	Kittitas	Klickitat	Lewis	Lincoln	Mason	Okanogan	Pacific	Pend Oreille	Pierce	San Juan	Skagit	Skamania	Snohomish	Spokane	Stevens	Thurston	Wahkiakum	Walla Walla	Whatcom	Whitman	Yakima	Out-of-State
														8							11	
														30						2	8	9
									5					5							496	2
									1					7							138	1
									2													1
									1										1		4	560
														3							7	
									2												1	169
														2							21	
														16								
														2							161	
																					4	1
														9							63	
									16							146					1	3
									1		3		2						6			1
									1													
	1								34		2		37	2		4			1		6	15
									105		1			1		1					1	5
	3								3												97	1
														1							8	18
									26							79						5
														17							1	
									14							44						
						1			1					29							44	
									5							6						14
														23							1	2
									2044					1		7			1		3	4
											2								11			
											70		1	1					71			1
														1								12
									2		3		156	1		1			5		1	1
													1	1746							57	6
														75							2	
									80					1		466						2
																						6
														10							185	2
									2		2		1						422			
									3					48						8	44	22
									2												857	2
																						4
									4		1		1	353					1	11	196	
									1					93					166		15	

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Table 14

Live births and Abortions with Rate and Ratio Indicators by Patient's Place of Residence, Washington State 1987

County	Female Population[1]	Live Births[2]	Abortions[2]	Abortion Ratio[3]	Abortion Rate[4]	Fertility Rate[5]
State Total	1,063,621	70,134	28,828	411	27	66
Adams	3,052	273	38	139	12	89
Asotin	3,729	228	49	215	13	61
Benton	25,435	1,822	528	290	21	72
Chelan	10,256	802	279	348	27	78
Clallam	11,119	761	106	139	10	68
Clark	50,550	3,279	922	281	18	65
Columbia	743	48	10	208	13	65
Cowlitz	18,054	1,177	233	198	13	65
Douglas	5,429	3432	60	175	11	63
Ferry	1,328	71	18	254	14	53
Franklin	7,721	738	175	237	23	96
Garfield	421	26	6	231	14	62
Grant	11,090	929	238	256	21	84
Grays Harbor	13,429	903	334	370	25	67
Island	11,271	911	188	206	17	81
Jefferson	3,586	215	31	144	9	60
King	346,026	20,362	12,790	628	37	59
Kitsap	38,178	2,799	889	318	23	73
Kittitas	6,421	284	158	556	25	44
Klickitat	3,479	214	34	159	10	62
Lewis	11,958	839	195	232	16	70
Lincoln	1,883	109	23	211	12	58
Mason	7,196	477	109	229	15	66
Okanogan	6,791	531	110	207	16	78
Pacific	3,139	224	40	179	13	71
Pend Oreille	1,857	109	28	257	15	59
Pierce	126,799	9,606	3,701	385	29	76
San Juan	1,889	112	39	348	21	59
Skagit	15,131	1,059	336	317	22	70
Skamania	1,725	110	19	173	11	64
Snohomish	96,564	6,787	2,453	361	25	70
Spokane	84,038	5,353	1,887	353	22	64
Stevens	6,757	424	81	191	12	63
Thurston	35,207	2,173	908	419	26	62
Wahkiakum	698	29	9	310	13	42
Walla Walla	10,454	631	206	326	20	60
Whatcom	28,878	1,586	550	347	19	55
Whitman	11,216	385	158	410	14	34
Yakima	40,124	3,413	886	260	22	85
Unknown			4			

[1] Women, aged 15-44; 1987 estimates from the Office of Financial Management.
[2] Women, aged 15-44.
[3] Induced Abortions per 1,000 resident live births, women aged 15-44.
[4] Induced Abortions per 1,000 female population aged 15-44.
[5] Live births per 1,000 female population aged 15-44.

Table 15

Induced Abortions by Age of Patient by County of Residence, Washington State 1987

County of Residence	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	29,067	203	2,993	4,013	9,433	6,308	3,726	1,878	477	21	15
Adams	38		3	5	15	6	6	3			
Asotin	50		4	10	17	15	3				1
Benton	529	1	68	77	161	115	58	40	9		
Chelan	282	3	35	40	96	55	34	14	5		
Clallam	107	1	17	22	23	15	19	8	2		
Clark	933	8	126	144	273	199	109	61	10		3
Columbia	11	1	1	1	2	3	1		2		
Cowlitz	238	4	30	36	90	40	24	11	2		1
Douglas	61	1	19	7	21	7	3	1	2		
Ferry	18		2	5	5	2	2	2			
Franklin	177	2	26	32	55	40	17	4	1		
Garfield	6		1	2	2	1					
Grant	240	2	29	39	76	53	22	15	4		
Grays Harbor	339	5	56	54	104	57	38	21	4		
Island	190	2	20	15	61	35	31	19	7		
Jefferson	31		3	4	7	6	5	4	2		
King	12,882	74	1,091	1,609	4,070	2,978	1,831	964	247	13	5
Kitsap	896	7	108	103	272	202	119	63	22		
Kittitas	158		10	37	66	27	10	8			
Klickitat	35	1	9	8	5	7	3	1	1		
Lewis	195		28	34	53	47	24	6	3		
Lincoln	23		4	3	3	5	7	1			
Mason	109		16	10	36	19	13	14	1		
Okanogan	111	1	15	16	21	24	21	12	1		
Pacific	40		7	7	9	5	10	2			
Pend Oreille	28		6	4	6	6	4	2			
Pierce	3,733	32	379	530	1,359	788	429	168	48		
San Juan	40		6	4	4	8	12	4	1	1	
Skagit	339	3	38	71	97	62	48	17	3		
Skamania	19		4		8	2	4	1			
Snohomish	2,475	17	289	339	783	555	301	143	43	4	1
Spokane	1,900	13	216	312	645	376	218	104	16		
Stevens	82	1	13	12	15	12	20	8	1		
Thurston	920	9	112	120	303	190	104	59	20	2	1
Wahkiakum	9		2		4	1	2				
Walla Walla	209	2	15	40	83	39	18	8	3		1
Whatcom	554	4	54	93	193	103	57	41	9		
Whitman	160		7	42	77	21	6	3	2		2
Yakima	896	9	123	126	313	180	93	45	6	1	
Unknown	4		1			2		1			

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Table 16

Second Trimester Abortions by Patient's Age by County of Residence, Washington State 1987

County	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	2,631	39	435	475	862	433	238	119	29	1	
Adams	3		1	1	1						
Asotin	3			1	2						
Benton	75		18	12	20	11	10	3	1		
Chelan	32	3	5	6	10	5	2	1			
Clallam	19		5	4	5	3	2				
Clark	87	1	21	17	22	13	11	2			
Columbia	2	1							1		
Cowlitz	44		7	9	14	10	3		1		
Douglas	8		1	2	3	2					
Ferry											
Franklin	32		5	9	10	6	2				
Garfield											
Grant	12		3	2	2	3		2			
Grays Harbor	36	1	4	8	16	5	2				
Island	17		2	3	7	4		1			
Jefferson	5		2	1		1	1				
King	1,013	11	138	166	338	185	98	63	14		
Kitsap	91		14	11	25	24	12	5			
Kittitas	15		1	2	8	4					
Klickitat	3			1			1		1		
Lewis	32		9	6	7	7	2	1			
Lincoln	1						1				
Mason	21		4	3	7	3	4				
Okanogan	8		4	2	1			1			
Pacific	3					1	2				
Pend Oreille											
Pierce	471	12	81	78	183	67	31	14	5		
San Juan											
Skagit	25	2	1	8	7	3	2	1	1		
Skamania	2		1			1					
Snohomish	208	3	41	44	56	34	15	12	3		
Spokane	99		18	21	32	12	9	7			
Stevens	10		4	2	1	1	1		1		
Thurston	71	2	11	14	23	10	8	3			
Wahkiakum	1		1								
Walla Walla	26		3	7	8	3	4		1		
Whatcom	32		5	10	11	1	4	1			
Whitman	12		1	5	4	1	1				
Yakima	112	3	24	20	39	13	10	2		1	
Unknown											

Table 17

Repeat Abortions by Patient's Age by County of Residence, Washington State 1987

County	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	12,752	13	440	1,057	4,271	3,639	2,158	948	214	8	4
Adams	10		1	1	3	2	2	1			
Asotin	8			1	2	4					1
Benton	210		2	24	66	65	28	22	3		
Chelan	114	1	6	6	46	32	16	3	4		
Clallam	54	1	3	10	15	11	12	2			
Clark	412	2	18	42	125	126	66	29	4		
Columbia	2			1			1				
Cowlitz	98		6	6	41	25	12	7	1		
Douglas	22		2	2	12	3	2		1		
Ferry	1					1					
Franklin	64		2	7	28	20	6	1			
Garfield	1				1						
Grant	92	1	4	8	33	29	14	2	1		
Grays Harbor	155		8	21	47	37	26	13	3		
Island	60		2	3	15	16	17	4	3		
Jefferson	14				4	4	2	2	2		
King	6,529	4	199	505	2,074	1,891	1,161	558	130	4	3
Kitsap	408		21	28	121	123	75	34	6		
Kittitas	62		2	5	20	20	9	6			
Klickitat	9		2	1	1	1	2	1	1		
Lewis	73		2	5	24	23	19				
Lincoln	3			1		1	1				
Mason	48		1		18	13	8	7	1		
Okanogan	34		2	2	6	7	11	6			
Pacific	18		1	2	3	5	5	2			
Pend Oreille	5		1		2		2				
Pierce	1,615	1	54	142	628	450	241	86	13		
San Juan	18		1	1		3	9	2	1	1	
Skagit	142		6	19	44	33	32	7	1		
Skamania	10				5	1	3	1			
Snohomish	1,176	1	47	103	408	357	170	69	18	3	
Spokane	182		3	15	68	42	43	10	1		
Stevens	2						1	1			
Thurston	398		18	23	148	111	61	29	8		
Wahkiakum	3				2	1					
Walla Walla	69		1	10	26	19	10	3			
Whatcom	223	1	3	23	84	54	27	24	7		
Whitman	36			7	16	8	4		1		
Yakima	370	1	22	33	135	99	60	16	4		
Unknown	2					2					

Table 18

Pregnancy Outcome of Adolescents by Age of Patient by Place of Residence, Washington State 1987

County and State	Ages 15-44		Ages 10-14		Ages 15-17		Ages 18-19	
	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]
State Totals								
Live Births	70134	65.9	106	.7	2477	26.2	4741	72.2
Fetal Deaths	398	.4	2		19	.2	30	.5
Abortions	28828	27.1	203	1.4	2992	31.6	4013	61.1
Total Pregnancies	99360	93.4	310	2.1	5488	58.0	8784	133.8
Adams								
Live Births	273	89.4	3	5.4	15	46.6	32	142.9
Fetal Deaths	2	.7					1	4.5
Abortions	38	12.5			3	9.3	5	22.3
Total Pregnancies	313	102.6	3	5.4	18	55.9	38	169.7
Asotin								
Live Births	228	61.1	1	1.7	8	23.5	20	84.7
Fetal Deaths								
Abortions	49	13.1			4	11.7	10	42.4
Total Pregnancies	277	74.2	1	1.7	12	35.2	30	127.1
Benton								
Live Births	1822	71.6	1	.3	72	32.3	138	89.1
Fetal Deaths	10	.4						
Abortions	528	20.8	1	.3	68	30.5	77	49.7
Total Pregnancies	2360	92.8	2	.6	140	62.8	215	138.8
Chelan								
Live Births	802	78.2	2	1.4	32	34.2	63	97.1
Fetal Deaths	7	.7						
Abortions	279	27.2	3	2.1	35	37.4	40	61.6
Total Pregnancies	1088	106.1	5	3.5	67	71.6	103	158.7
Clallam								
Live Births	761	68.4	2	1.2	40	38.6	51	70.8
Fetal Deaths	5	.4			2	1.9		
Abortions	106	9.5	1	.6	17	16.4	22	30.6
Total Pregnancies	872	78.3	3	1.8	59	56.9	73	101.4
Clark								
Live Births	3279	64.9	3	.4	126	28.0	273	87.6
Fetal Deaths	10	.2			1	.2		
Abortions	922	18.2	8	1.0	126	28.0	144	46.2
Total Pregnancies	4211	83.3	11	1.4	253	56.2	417	133.8
Columbia								
Live Births	48	64.6					2	46.5
Fetal Deaths	1	1.3						
Abortions	10	13.5	1	7.6	1	15.9	1	23.3
Total Pregnancies	59	79.4	1	7.6	1	15.9	3	69.8
Cowlitz								
Live Births	1177	65.2			59	35.9	132	115.8
Fetal Deaths	6	.3						
Abortions	233	12.9	4	1.5	30	18.3	36	31.6
Total Pregnancies	1416	78.4	4	1.5	89	54.2	168	147.4
Douglas								
Live Births	342	63.0			21	42.6	21	61.4
Fetal Deaths	3	.6						
Abortions	60	11.1	1	1.3	19	38.5	7	20.5
Total Pregnancies	405	74.7	1	1.3	40	81.1	28	81.9
Ferry								
Live Births	71	53.5			6	48.0	6	69.0
Fetal Deaths	1	.8						
Abortions	18	13.6			2	16.0	5	57.5
Total Pregnancies	90	67.9			8	64.0	11	126.5
Franklin								
Live Births	738	95.6	4	3.5	42	56.5	64	123.8
Fetal Deaths	6	.8			2	2.7	2	3.9
Abortions	175	22.7	2	1.7	26	34.9	32	61.9
Total Pregnancies	919	119.1	6	5.2	70	94.1	98	189.6
Garfield								
Live Births	26	61.8						
Fetal Deaths								
Abortions	6	14.3			1	24.4	2	71.4
Total Pregnancies	32	76.1			1	24.4	2	71.4
Grant								
Live Births	929	83.8	2	1.1	45	39.6	79	100.1
Fetal Deaths	8	.7			1	.9		
Abortions	238	21.5	2	1.1	29	25.5	39	49.4
Total Pregnancies	1175	106.0	4	2.2	75	66.0	118	149.5
Grays Harbor								
Live Births	903	67.2			51	40.0	83	93.8
Fetal Deaths	4	.3						
Abortions	334	24.9	5	2.4	56	43.9	54	61.0
Total Pregnancies	1241	92.4	5	2.4	107	83.9	137	154.8
Island								
Live Births	911	80.8			18	19.0	52	79.1
Fetal Deaths	6	.5			1	1.1	1	1.5
Abortions	188	16.7	2	1.3	20	21.1	15	22.8
Total Pregnancies	1105	98.0	2	1.3	39	41.2	68	103.4
Jefferson								
Live Births	215	60.0	1	1.8	4	13.6	15	73.5
Fetal Deaths	3	.8					1	4.9
Abortions	31	8.6			3	10.2	4	19.6
Total Pregnancies	249	69.4	1	1.8	7	23.8	20	98.0
King								
Live Births	20362	58.8	21	.5	475	17.1	881	45.7
Fetal Deaths	102	.3	1		4	.1	3	.2
Abortions	12790	37.0	74	1.8	1091	39.3	1609	83.4
Total Pregnancies	33254	96.1	96	2.3	1570	56.5	2493	129.3
Kitsap								
Live Births	2799	73.3	3	.5	81	25.3	188	84.5
Fetal Deaths	19	.5					3	1.3
Abortions	849	23.3	7	1.3	108	33.7	103	46.3
Total Pregnancies	3707	97.1	10	1.8	189	59.0	294	132.1
Kittitas								
Live Births	284	44.2			9	11.9	22	42.0
Fetal Deaths	2	.3					1	1.9
Abortions	158	24.6			10	13.3	37	70.6
Total Pregnancies	444	69.1			19	25.2	60	114.5
Klickitat								
Live Births	214	61.5			15	47.5	23	104.5
Fetal Deaths								
Abortions	34	9.8	1	1.7	9	28.5	8	36.4
Total Pregnancies	248	71.3	1	1.7	24	76.0	31	140.9
Lewis								
Live Births	839	70.2			41	34.1	61	73.1
Fetal Deaths	2	.2						
Abortions	195	16.3			28	23.3	34	40.8
Total Pregnancies	1036	86.7			69	57.4	95	113.9
Lincoln								
Live Births	109	57.9			3	16.7	4	32.0
Fetal Deaths								
Abortions	23	12.2			4	22.2	3	24.0
Total Pregnancies	132	70.1			7	38.9	7	56.0
Mason								
Live Births	477	66.3	1	.9	20	29.0	47	98.1
Fetal Deaths	1	.1						
Abortions	109	15.1			16	23.2	10	20.9
Total Pregnancies	587	81.5	1	.9	36	52.2	57	119.0
Okanogan								
Live Births	531	78.2	1	.9	32	52.5	47	111.1
Fetal Deaths	3	.4						
Abortions	110	16.2	1	.9	15	24.6	16	37.8
Total Pregnancies	644	94.8	2	1.8	47	77.1	63	148.9
Pacific								
Live Births	224	71.4			6	20.3	20	97.6
Fetal Deaths	1	.3						
Abortions	40	12.7			7	23.7	7	34.1
Total Pregnancies	265	84.4			13	44.0	27	131.7
Pend Oreille								
Live Births	109	58.7			7	38.5	10	79.4
Fetal Deaths	1	.5						
Abortions	28	15.1			6	33.0	4	31.7
Total Pregnancies	138	74.3			13	71.5	14	111.1
Pierce								
Live Births	9606	75.8	22	1.3	402	33.7	811	98.0
Fetal Deaths	70	.6	1	.1	2	.2	8	1.0
Abortions	3701	29.2	32	1.9	379	31.8	530	64.1
Total Pregnancies	13377	105.6	56	3.3	783	65.7	1349	163.1
San Juan								
Live Births	112	59.3					3	36.6
Fetal Deaths								
Abortions	39	20.6			6	51.3	4	48.8
Total Pregnancies	151	79.9			6	51.3	7	85.4
Skagit								
Live Births	1059	70.0	1	.5	47	33.8	93	96.5
Fetal Deaths	5	.3						
Abortions	336	22.2	3	1.4	38	27.4	71	73.7
Total Pregnancies	1400	92.5	4	1.9	85	61.2	164	170.2
Skamania								
Live Births	110	63.8			10	61.7	12	107.1
Fetal Deaths								
Abortions	19	11.0			4	24.7		
Total Pregnancies	129	74.8			14	86.4	12	107.1
Snohomish								
Live Births	6787	70.3	6	.4	204	24.4	414	71.3
Fetal Deaths	32	.3			3	.4	3	.5
Abortions	2453	25.4	17	1.2	289	34.6	339	58.4
Total Pregnancies	9272	96.0	23	1.6	496	59.4	756	130.2
Spokane								
Live Births	5353	63.7	7	.6	190	23.7	396	71.1
Fetal Deaths	34	.4			1	.1	1	.2
Abortions	1887	22.5	13	1.1	216	26.9	312	56.0
Total Pregnancies	7274	86.6	20	1.7	407	50.7	709	127.3
Stevens								
Live Births	424	62.7			21	36.8	34	86.1
Fetal Deaths	4	.6						
Abortions	81	12.0	1	.8	13	22.8	12	30.4
Total Pregnancies	509	75.3	1	.8	34	59.6	46	116.5
Thurston								
Live Births	2166	51.5	2	.4	79	25.7	157	73.5
Fetal Deaths	17	.5					3	1.4
Abortions	908	25.8	9	1.8	112	36.4	120	56.2
Total Pregnancies	3091	87.8	11	2.2	191	62.1	280	131.1
Wahkiakum								
Live Births	29	41.5			1	14.7	3	63.8
Fetal Deaths								
Abortions	9	12.9			2	29.4		
Total Pregnancies	38	54.4			3	44.1	3	63.8
Walla Walla								
Live Births	631	60.4	3	2.1	33	27.9	56	68.3
Fetal Deaths	2	.2						
Abortions	206	19.7	2	1.4	15	12.7	40	48.8
Total Pregnancies	839	80.3	5	3.5	48	40.6	96	117.1
Whatcom								
Live Births	1586	54.9	1	.3	46	16.5	80	41.5
Fetal Deaths	10	.3					1	.5
Abortions	550	19.0	4	1.1	54	19.4	93	48.2
Total Pregnancies	2146	74.2	5	1.4	100	35.9	174	90.2
Whitman								
Live Births	385	34.3			4	2.5	10	9.1
Fetal Deaths	2	.2						
Abortions	158	14.1			7	4.4	42	38.3
Total Pregnancies	545	48.6			11	6.9	52	47.4
Yakima								
Live Births	3413	85.1	18	2.9	212	52.9	338	121.5
Fetal Deaths	19	.5			2	.5	2	.7
Abortions	886	22.1	9	1.4	123	30.7	126	45.3
Total Pregnancies	4318	107.7	27	4.3	337	84.1	466	167.5

[1] Number of events (live births, fetal deaths, abortions, total reported) per 1,000 female population in each age group

Table 19

Resident Abortion Rates with Ranks for Washington State Counties, 1983-1987

	1983		1984		1985		1986		1987	
Rank	County	Rate[1]	County	Rate[1]	County	Rate[1]	County	Rate[1]	County	Rate[1]
1	King	34.3	King	33.6	King	32.1	King	34.4	King	37.0
2	Chelan	33.7	Chelan	30.5	Kittitas	27.5	Pierce	28.3	Pierce	29.2
3	Kittitas	32.6	Thurston	29.6	Pierce	27.2	Thurston	26.5	Chelan	27.2
4	Pierce	29.1	Pierce	29.0	Thurston	26.9	Kittitas	25.7	Thurston	25.8
5	Whatcom	26.2	Kittitas	26.7	Chelan	26.4	Franklin	24.5	Snohomish	25.4
6	Franklin	25.8	Grays Harbor	26.0	Adams	24.6	Chelan	24.4	Grays Harbor	24.9
7	Thurston	25.2	Whatcom	23.0	Clark	23.8	Grant	24.1	Kittitas	24.6
8	Grays Harbor	24.9	Benton	22.8	Walla Walla	23.7	Spokane	22.9	Kitsap	23.3
9	Skagit	24.6	Franklin*	22.8	Franklin	23.5	Grays Harbor	22.8	Franklin	22.7
10	Grant	24.3	San Juan	22.4	Grays Harbor	22.9	Benton	22.0	Spokane	22.5
11	Benton	24.0	Spokane	22.2	Spokane*	22.9	Yakima	21.0	Skagit	22.2
12	Clark	23.6	Grant	22.0	Grant	21.6	Walla Walla	20.3	Yakima	22.1
13	San Juan*	23.6	Walla Walla	21.7	Benton	21.2	Skagit	19.5	Grant	21.5
14	Adams	23.4	Clark	21.5	Whatcom	20.5	Kitsap	19.3	Benton	20.8
15	Whitman	22.3	Skagit*	21.5	Yakima*	20.5	Clark	19.2	San Juan	20.6
16	Yakima	22.2	Whitman	21.4	Columbia	20.2	Okanogan	18.8	Walla Walla	19.7
17	Walla Walla	21.1	Island	21.0	Asotin	19.4	Snohomish	18.7	Whatcom	19.0
18	Okanogan	19.9	Okanogan*	21.0	Lewis	19.2	Whatcom	18.3	Clark	18.2
19	Spokane	19.6	Yakima	20.8	Island	19.1	Whitman	18.0	Island	16.7
20	Pacific	19.4	Kitsap	20.7	Skagit	18.3	Columbia	17.5	Lewis	16.3
21	Kitsap	18.4	Asotin	19.9	Kitsap	17.1	Lewis	17.2	Okanogan	16.2
22	Island	17.3	Pacific	19.6	Whitman	17.0	Asotin	17.0	Mason	15.1
23	Snohomish	17.1	Adams	19.1	Snohomish	16.2	Island	16.8	Pend Oreille*	15.1
24	Lewis	16.9	Mason	18.9	Mason	15.1	Adams	16.5	Garfield	14.3
25	Garfield	16.7	Lewis	18.7	Pacific*	15.1	Mason*	16.5	Whitman	14.1
26	Mason	16.0	Snohomish	16.7	Pend Oreille	14.8	San Juan	14.2	Ferry	13.6
27	Columbia	15.3	Columbia	16.2	Okanogan	13.8	Ferry	12.6	Columbia	13.5
28	Douglas	14.4	Wahkiakum	14.9	Douglas	12.3	Lincoln	11.7	Asotin	13.1
29	Pend Oreille	13.6	Cowlitz	14.2	Stevens*	12.3	Pend Oreille*	11.7	Cowlitz	12.9
30	Asotin	13.2	Klickitat	13.8	Skamania	12.0	Cowlitz	11.3	Wahkiakum*	12.9
31	Cowlitz	12.7	Skamania	13.2	Cowlitz	10.7	Pacific	11.2	Pacific	12.7
32	Skamania	12.2	Douglas	13.1	San Juan	10.4	Klickitat	11.1	Adams	12.5
33	Lincoln	10.8	Ferry	10.4	Klickitat	10.2	Skamania	11.0	Lincoln	12.2
34	Klickitat	10.2	Garfield	9.2	Ferry	9.6	Stevens	9.4	Stevens	12.0
35	Stevens	10.1	Pend Oreille	8.5	Clallam	8.6	Douglas	9.3	Douglas	11.1
36	Ferry	8.9	Clallam	8.2	Lincoln	8.5	Clallam	8.8	Skamania	11.0
37	Wahkiakum	5.6	Stevens	7.9	Jefferson	7.5	Jefferson	5.3	Klickitat	9.8
38	Jefferson	5.1	Jefferson	7.7	Wahkiakum	7.0	Garfield	4.6	Clallam	9.5
39	Clallam	4.6	Lincoln	6.9	Garfield	6.9	Wahkiakum	1.4	Jefferson	8.6

[1] Abortions per 1,000 female population aged 15-44.

* Tied in rank with county or counties above.

MARRIAGES
AND
DISSOLUTIONS

Table 1

Marriage by County of Marriage by Bride and Groom Age Group, Washington State 1987

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Unk
State Total	Bride	43,503	3	4,944	13,189	9,698	6,130	3,913	2,328	1,243	657	390	341	250	166	87	33	3	128
	Groom	43,503	1	1,630	11,623	10,957	6,974	4,460	2,921	1,743	962	676	492	374	291	159	65	24	151
Adams	Bride	106		29	37	21	9	3	3			1	3						
	Groom	106		9	49	17	14	6	3	2	2	1	1	2					
Asotin	Bride	97		10	26	24	16	9	6	1	1	2		1			1		
	Groom	97		2	26	25	21	7	7	2	3		1	2	1				
Benton	Bride	1,051		168	335	234	129	76	49	23	15	4	9	2	2	3			2
	Groom	1,051		65	286	276	182	92	47	34	21	13	13	7	5	3		2	5
Chelan	Bride	646		66	195	133	84	80	37	18	10	5	7	5	1	3	1		1
	Groom	646		25	175	141	94	79	52	23	15	13	14	4	4	3	1	1	2
Clallam	Bride	482	1	70	139	90	60	47	23	22	6	7	3	8	4	2			
	Groom	482		21	122	116	64	50	33	24	14	7	9	8	6	4	1	1	2
Clark	Bride	3,462		442	991	685	446	377	217	126	57	40	33	24	13	5	1	1	4
	Groom	3,462		144	883	803	522	405	246	166	76	59	66	40	26	16	6	1	3
Columbia	Bride	29		10	7	7	2	2		1									
	Groom	29		2	10	9	2	2	2	1									1
Cowlitz	Bride	804		138	256	150	80	63	42	30	11	8	7	10	6	2			1
	Groom	804		54	244	170	111	71	52	35	19	10	8	11	6	7	3		3
Douglas	Bride	125		21	35	23	12	16	11	3		1	1				1		1
	Groom	125		6	37	29	22	11	5	6	5		1	2		1			
Ferry	Bride	59		7	16	5	9	11	3	6	2								
	Groom	59		1	12	14	12	9	3	3	3	1	1						
Franklin	Bride	193		30	78	26	26	7	9	7	1	4	1	2	1		1		
	Groom	193		13	66	47	21	9	12	13	2	1	1	4	1	1	1		1
Garfield	Bride	12			4	1	5	1		1									
	Groom	12		2	2	3		2	2	1									
Grant	Bride	356		65	127	61	38	22	17	8	5	4	3		2	1	1		2
	Groom	356		15	134	83	40	22	25	15	7	3	2	1	4	3	2		
Grays Harbor	Bride	667		107	157	143	95	58	37	29	15	8	5	3	2	4			4
	Groom	667		25	189	140	99	67	57	34	15	13	8	7	5	4			4
Island	Bride	547		96	168	117	61	42	30	11	6	1	5	5	2				3
	Groom	547		25	210	118	65	48	28	15	12	8	5	7	2	1			3
Jefferson	Bride	203		15	40	40	43	32	12	8	3	3	1	2	1		1	2	
	Groom	203		3	27	40	46	31	18	16	8	3	3	3	1	1	1		2
King	Bride	13,693		925	4,019	3,581	2,219	1,267	740	378	189	107	97	69	33	14	11		44
	Groom	13,693		285	3,046	3,807	2,546	1,577	976	522	319	199	140	92	82	32	19	4	47
Kitsap	Bride	1,640		244	470	330	249	141	93	50	13	12	13	9	10	1			5
	Groom	1,640		71	487	403	250	166	95	66	25	17	19	5	13	7	2	2	12
Kittitas	Bride	169		21	59	31	20	13	8	6	3		3	1	3		1		
	Groom	169		5	54	41	25	15	8	8	2	2	2	2	2	1	2		
Klickitat	Bride	142		21	30	25	24	10	8	9	7	1	1	1	1	2	1		1
	Groom	142		7	31	24	22	14	9	13	10	3		2	4	2		1	
Lewis	Bride	600		111	171	95	78	47	38	22	11	6	7	7	4	1			2
	Groom	600		39	175	128	76	62	33	30	16	15	8	4	9	3	1	1	
Lincoln	Bride	63		5	26	9	8	3	7			1	1	1		2			
	Groom	63		3	20	14	6	4	4	1	4			3	1	2			1
Mason	Bride	266		42	64	48	39	31	20	12	1	2	3	1	1	1			1
	Groom	266		14	66	50	44	30	23	11	9	7	3	2		3			4
Okanogan	Bride	280		44	79	56	30	25	9	8	11	4	5	4	2	2	1		
	Groom	280		11	77	64	49	21	17	8	5	6	6	5	6	3	2		
Pacific	Bride	235		29	56	42	30	29	15	7	6	1	3	4	2	1			
	Groom	235		9	60	45	36	23	16	19	6	5	5	2	4	3			2
Pend Oreille	Bride	75		6	26	9	11	6	3	5	3	1	1	1		2			1
	Groom	75		1	19	9	13	8	8	6	1	4	1	2	2				1
Pierce	Bride	5,742	1	773	1,919	1,234	735	459	244	143	68	46	34	27	27	7	3	1	21
	Groom	5,742		287	1,884	1,417	819	484	304	199	98	78	49	43	36	17	5	4	18
San Juan	Bride	209		5	32	49	54	36	17	1	8	2	4		1				
	Groom	209		1	20	45	36	47	30	10	4	4	3	4	2				3
Skagit	Bride	736		84	212	129	110	67	51	22	20	13	7	9	4	6		1	1
	Groom	736		26	193	168	107	76	52	36	16	17	17	12	7	4	4	1	
Skamania	Bride	130		11	28	22	20	16	20	2	4	2	1		1	2			1
	Groom	130		4	25	23	26	16	13	9	5	1	1	4	1		1		1
Snohomish	Bride	3,412		366	981	771	486	296	221	104	72	38	33	18	9	7	4		6
	Groom	3,412		122	821	887	532	335	260	158	106	79	36	33	21	13	5		4
Spokane	Bride	2,734	1	346	948	593	350	230	97	53	37	21	17	11	13	4	3		10
	Groom	2,734	1	115	843	725	407	229	166	88	54	36	19	18	13	6	4	2	8
Stevens	Bride	189		44	38	32	25	19	15	4	3	3	3	2		1			
	Groom	189		18	50	35	24	18	18	7	5	2	3	6	2		1		
Thurston	Bride	1,245		146	393	236	159	138	75	39	22	14	8	6	5				4
	Groom	1,245		50	347	288	182	126	86	72	26	25	14	12	4	1	1	1	10
Wahkiakum	Bride	28		6	7	4	6	1	2		1					1			
	Groom	28		1	8	6	4	4	2	2						1			
Walla Walla	Bride	432		73	125	86	57	38	20	12	7	4	3	1	1	5			
	Groom	432		23	128	103	56	52	24	14	5	8	5	4	2	6		1	1
Whatcom	Bride	974		112	315	210	131	76	52	26	20	10	8	6	4	1			3
	Groom	974		24	264	249	155	113	70	30	18	17	11	8	9	4		1	1
Whitman	Bride	158		8	61	45	22	9	5	2	1	1	1	1	2				
	Groom	158		3	58	45	22	12	5	5	1	1	2	1	2	1			
Yakima	Bride	1,512		248	509	301	152	110	72	44	18	13	10	9	9	7	2		8
	Groom	1,512		99	475	350	222	117	110	39	25	18	15	12	8	6	3	1	12

Table 2

Dissolutions, Annulments, and Separate Maintenance by County of Decree, Washington State 1987

County	Total	Dissolution	Annulment	Separate Maintenance	Not Stated
State Total	27,216	26,747	220	221	28
Adams	60	60			
Asotin	86	85		1	
Benton	684	678	1	5	
Chelan	450	446	3	1	
Clallam	320	320			
Clark	1,398	1,381	7	8	2
Columbia	18	18			
Cowlitz	500	493	3	3	1
Douglas	15	14			1
Ferry	26	26			
Franklin	153	153			
Garfield	17	17			
Grant	268	265	3		
Grays Harbor	364	363			1
Island	359	352	2	5	
Jefferson	122	122			
King	7,728	7,601	39	84	4
Kitsap	758	751	1	5	1
Kittitas	102	99	1	2	
Klickitat	81	81			
Lewis	371	368	1	2	
Lincoln	964	946	9	8	1
Mason	106	103	2	1	
Okanogan	99	99			
Pacific	119	114	1	4	
Pend Oreille	41	41			
Pierce	3,935	3,847	46	31	11
San Juan	53	53			
Skagit	456	454	1	1	
Skamania	72	71	1		
Snohomish	2,399	2,361	17	20	1
Spokane	1,895	1,863	16	16	
Stevens	140	139	1		
Thurston	1,031	1,008	7	16	
Wahkiakum	14	14			
Walla Walla	283	282	1		
Whatcom	628	617	5	5	1
Whitman	116	116			
Yakima	985	926	52	3	4

Table 3

Dissolutions by County of Divorce by Husband's and Wife's Age Group, Washington State 1987

County		Total	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Unk
State Total	Wife	26,747	265	3,493	5,476	5,181	4,176	2,875	1,550	806	468	261	148	84	35	13	2	1,914
	Husband	26,747	43	1,941	4,806	5,118	4,470	3,430	2,209	1,236	775	439	261	136	53	24	16	1,790
Adams	Wife	60	1	8	18	10	4	9	2	1	3	1						3
	Husband	60		4	18	11	5	7	7	2	2	2		1				1
Asotin	Wife	85	2	7	34	15	7	7	2	3	4	1	2					1
	Husband	85		7	26	19	6	7	5	6	1	3	1	1	1			2
Benton	Wife	678	11	104	167	112	109	71	47	17	12	7	3	2				16
	Husband	678	1	56	150	125	124	86	53	22	16	14	6	5		1		19
Chelan	Wife	446	5	69	76	82	81	48	26	21	10	7	3					18
	Husband	446	2	43	74	86	77	57	29	16	28	8	3	3		1		19
Clallam	Wife	320	3	40	67	58	54	31	21	13	5	3	4	1	1			19
	Husband	320		22	58	60	59	40	25	13	12	11	6	1		1		12
Clark	Wife	1,381	12	213	273	270	235	163	67	41	22	12	11	3	4			55
	Husband	1,381	2	83	271	277	224	187	127	71	40	25	13	5	2	1	2	51
Columbia	Wife	18	1	1	2	7	3	3										1
	Husband	18		1	5	1	4		3	2		1						1
Cowlitz	Wife	493	8	93	94	91	71	52	22	13	11	8	7	4	1		1	17
	Husband	493	1	45	95	105	86	51	41	20	13	10	8	2	3		1	12
Douglas	Wife	14		2	6		2	1	1									2
	Husband	14		1	6	2	1		2	2								
Ferry	Wife	26	1	1	4	5	5	1						1				8
	Husband	26		1	4	3	8		2	1								7
Franklin	Wife	153	3	15	32	31	26	19	9	2	6	2	1					7
	Husband	153		11	30	27	27	19	9	7	5	4	4					10
Garfield	Wife	17		1	1	3	1	3	2			1	2					3
	Husband	17		1		2	1	4	3	1	1	1	2					1
Grant	Wife	265	3	44	41	58	41	28	16	4	7	6	3	1				13
	Husband	265	1	19	56	48	44	32	20	13	9	6	3	3	1			10
Grays Harbor	Wife	363	3	63	75	67	49	29	19	19	8	7		1				23
	Husband	363	1	27	74	57	63	33	38	21	9	10	5	1				24
Island	Wife	352	11	78	72	61	42	31	16	9	3	2	1	2				24
	Husband	352		51	89	62	51	33	25	5	7	6	2	1	1			19
Jefferson	Wife	122	1	16	19	20	25	11	10	4	5	3	2	1				5
	Husband	122	1	8	17	21	22	15	9	7	5	1	6	3				7
King	Wife	7,601	37	720	1,454	1,540	1,283	909	467	242	126	64	43	28	7	4		677
	Husband	7,601	11	374	1,154	1,483	1,310	1,123	658	372	208	128	80	39	12	9	2	638
Kitsap	Wife	751	7	140	185	146	92	78	27	20	12	10	1	2	2			29
	Husband	751		98	161	150	129	80	45	25	14	10	8	3	1	2		25
Kittitas	Wife	99	1	14	14	17	19	7	11	6	4	3						3
	Husband	99	1	4	12	15	17	14	12	5	6	1	3	2				7
Klickitat	Wife	81	1	16	21	16	10	6	4	3	1	2						1
	Husband	81		6	20	12	11	11	6	4	5	2	1	1				2
Lewis	Wife	368	5	50	63	62	70	26	20	13	4	3	6	2	1	1		42
	Husband	368		32	56	69	64	37	27	17	5	7	6	2	2		2	42
Lincoln	Wife	946	12	147	205	198	151	90	51	29	18	10	2	4	1	2		26
	Husband	946	1	76	183	195	154	116	79	43	39	14	6	5	2	1	1	31
Mason	Wife	103		6	26	22	14	12	5	3	2	4						9
	Husband	103	1	4	10	21	24	13	7	6	2	3	1	1				10
Okanogan	Wife	99	1	7	22	18	18	13	6	3	4	2						5
	Husband	99		4	18	22	13	12	10	9	3		2	1				5
Pacific	Wife	114		20	12	19	19	18	8	3	3	3	1	1				7
	Husband	114		7	18	25	14	14	10	8	7	2	1	1				7
Pend Oreille	Wife	41		5	6	10	7	5	2	3	1							2
	Husband	41			8	7	8	7	2	2	2	2						3
Pierce	Wife	3,847	57	592	898	788	536	342	219	104	63	27	10	8	3	2		198
	Husband	3,847	10	392	852	748	569	445	306	140	104	45	21	19	5		1	190
San Juan	Wife	53	1	3	10	14	11	6	3	1	3	1						
	Husband	53		2	8	9	13	8	3	4	4	1	1					
Skagit	Wife	454	6	56	87	85	64	51	29	16	11	5	7	5		1		31
	Husband	454		28	74	81	85	46	44	24	13	11	11	5	2			30
Skamania	Wife	71	1	13	19	10	8	9	2	5	1	1	1					1
	Husband	71		9	15	12	9	7	5	7	3	2	1					1
Snohomish	Wife	2,361	14	294	458	452	351	259	151	67	40	21	14	7	5	1		227
	Husband	2,361	1	139	383	435	415	307	193	126	74	36	24	13	8	2	1	204
Spokane	Wife	1,863	23	244	426	352	296	211	99	51	37	12	10	3	5	1	1	92
	Husband	1,863	5	134	368	384	321	239	158	78	50	21	12	10	4	2	2	75
Stevens	Wife	139	1	16	18	27	26	18	8	2	6		1	1				15
	Husband	139		6	23	21	25	15	12	9	5	6	3	1			1	12
Thurston	Wife	1,008	4	123	191	179	154	113	59	35	5	12	2	1	1			129
	Husband	1,008		74	146	177	178	120	88	48	24	14	3	2	2			132
Wahkiakum	Wife	14		4	1	3	2	2	2									
	Husband	14		3	1	2	3	2	3									
Walla Walla	Wife	282	6	53	49	50	45	31	16	11	1	4	1	1	1			13
	Husband	282		38	50	50	41	35	24	13	8	6	5		2			10
Whatcom	Wife	617	6	70	111	93	92	57	39	14	4	6	3	3				119
	Husband	617		40	82	94	97	80	45	28	16	5	5	2	3	1		119
Whitman	Wife	116	1	14	31	22	20	9	5	3	2	1	1					7
	Husband	116		10	23	20	22	17	6	4	4	3	1					6
Yakima	Wife	926	16	131	188	168	133	96	57	25	24	10	6	2	3	1		66
	Husband	926	4	81	168	180	146	111	68	55	31	18	7	3	2	3	3	46

Table 4

Dissoutions by Total Living Children by Place of Wife's Residence, Washington State 1987[1]

County	Number of Children										
	Total	0	1	2	3	4	5	6	7	8 or More	Not Stated
State Total	26,747	11,571	5,794	5,696	1,953	574	183	78	22	26	850
Adams	59	13	13	19	9	3		1		1	
Asotin	82	34	23	15	7	1					2
Benton	667	279	157	138	54	17	4			2	16
Chelan	324	142	75	60	23	8	2				14
Clallam	307	127	64	61	22	15	1				17
Clark	1,173	463	251	301	92	28	7	5	1		25
Columbia	16	5	5	2	2	1					1
Cowlitz	457	192	108	97	45	3	1				11
Douglas	115	50	28	22	12	1	1				1
Ferry	30	9	6	8	3						4
Franklin	127	42	33	32	8	5	1	1		1	4
Garfield	13	6		2	2	2		1			
Grant	257	88	59	66	26	9	3	2	1		3
Grays Harbor	343	134	75	89	25	5	3	4			8
Island	322	133	88	69	18	4	1	2			7
Jefferson	106	52	21	17	9	2	1				4
King	7,252	3,481	1,504	1,378	472	156	46	15	2	5	193
Kitsap	725	318	163	141	63	16	3	3			18
Kittitas	87	41	15	15	6	1				1	8
Klickitat	85	26	19	27	8	3	1				1
Lewis	334	127	64	89	33	6	1	1			13
Lincoln	34	13	7	6	3	2	1				2
Mason	112	50	18	22	12	4	1	1			4
Okanogan	103	44	21	30	4	2					2
Pacific	101	35	25	19	9	5	3				5
Pend Oreille	46	17	2	16	9	1	1				
Pierce	3,387	1,378	793	771	229	63	31	5	3	5	109
San Juan	55	27	10	11	3	3					1
Skagit	408	171	79	101	35	8	3	1	1		9
Skamania	55	13	13	17	8		1				3
Snohomish	2,285	898	517	549	177	55	13	10	1	1	64
Spokane	2,040	881	423	462	163	50	7	6	4		44
Stevens	162	68	27	41	13	4	1	1	1	1	5
Thurston	854	339	200	199	68	17	8	1	1	1	20
Wahkiakum	14	6	5	3							
Walla Walla	242	119	43	50	16	6		1	1		6
Whatcom	578	225	137	126	43	7	2	1	2	1	34
Whitman	126	49	21	40	8	6	2				
Yakima	863	336	209	183	68	17	9	6	3	4	28
Out-of-State	1,548	808	303	241	90	26	16	9		2	53
Unknown	853	332	170	161	56	12	8	1	1	1	111

[1] Includes all living children regardless of age. Does not include residents who obtain dissolutions outside of Washington State.

APPENDIX

Appendix A

Definitions

Abortion - The termination (spontaneous or induced) of a pregnancy before the fetus has attained viability. Where unqualified in this report, the term refers to induced abortions.

Abortion-related Complications - Complications encountered and detected at the time pregnancy termination occurs and before the abortion report is filed.

Cervical laceration - a tear wound of the cervix which requires sutures.

Failed abortion - the products of conception fail to be expelled from the uterus after induction.

Hemorrhage - copious or excessive bleeding, clinically assessed.

Infection - inflammation of the endometrium (the mucous coat of the uterus) or elevation of body temperature over 100.4 degrees for one or more days.

Retained products - retention of some of the fetal or placental tissue in the uterus after an abortion procedure. A second procedure is required for removal.

Uterine perforation - unintentional puncture of the uterine wall which requires intervention.

Birth Weight - Weight of fetus or infant at time of delivery (normally recorded in pounds and ounces).

Fetal Death - Death prior to the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy. The death is indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Reporting of fetal deaths to the state is required only when the gestational period is twenty weeks or more.

Gestational Period - Number of weeks elapsed between the first day of the last menstrual period and date of delivery or date of pregnancy termination. The Abortion Reporting System relies upon the physician's estimate of gestational age. With current technology (i.e., ultrasound) accuracy is plus or minus 11 days.

Induced Abortion - The purposeful interruption of pregnancy, irrespective of the duration of pregnancy, with the intention other than to produce a live born infant or to remove a dead fetus, the result of which is not a live birth. Procedures for false pregnancy, ectopic pregnancy and missed abortion (dead ovum retained in uterus in intended pregnancy) are not included.

Induced Abortion Procedures:

Dilatation and Evacuation (D&E) - dilatation of the cervical canal by means of laminaria tents (sterile dried seaweed) until the cervical opening is large enough to allow removal of the uterine contents by means of a sponge forceps or some other specially designed instrument.

Hysterectomy - removal of the uterus by surgical procedure either with the fetus inside or after the fetus is removed; usually performed when a pathological condition of the uterus, such as fibroid tumors, warrants its removal, or when a woman desires sterilization.

Hysterotomy - surgical entry into the uterus, as in a Caesarean section, to remove a fetus too immature to survive, even with extraordinary life support measures; usually performed only if other abortion measures have failed.

Prostaglandin - induction of labor resulting in the expulsion of the fetus by administration of a substance with hormone-like action, either vaginal suppository or intra-amniotic injection.

Saline - induction of labor with eventual expulsion of the fetus by insertion of a hollow needle through the abdominal wall, withdrawal of a portion of the amniotic fluid from the uterine cavity, and subsequent replacement with a concentrated salt solution.

Sharp Curettage - dilatation of the cervical canal with scraping and removal of fetal and placental tissues by use of a curette (which resembles a small spoon). Also, surgical D&C or surgical curettage.

Suction Curettage - dilatation of the cervical canal by the successive insertion of instruments of increasing diameter called dilators until the opening is large enough to insert a flexible tube (cannula) into the uterine cavity and permit the suction removal of fetal and placental tissues by an electric vacuum pump. Also, vacuum aspiration, suction D&C, or early uterine evacuation.

Infant Death - Death of a child under one year of age.

Live Birth - The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes, or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

Live Birth Order - Total number of live births to a given mother, including current birth.

Maternal Death - Death attributed to complications of pregnancy, childbirth, or the puerperium; includes abortion related death.

Neonatal Death - Death of an infant within the first 27 days of life.

Nulliparous - Having never given birth to a liveborn infant.

Occurrence Data - Data allocated by place where event occurred, regardless of the person's place of residence.

Parity - Previous live births; does not include current birth.

Perinatal Death - Fetal deaths plus deaths to infants within the first six days of life.

Premature Birth - A live birth weighing 2,500 grams (5-1/2 pounds) or less. If birth weight is not stated, length of gestation (under 37 weeks) is used.

Residence Data - Data allocated by place of residence of the decedent (deaths), or by place of residence of the child's mother (births, fetal deaths) or patient (abortions).

Spontaneous Abortion - An unintended interruption of pregnancy the result of which is a fetal death of any gestational age. Also, miscarriage or miscarried pregnancy.

Trimester - The duration of human pregnancy, approximately 266 days, divided by 3, resulting in three equal time periods equaling 88.67 days, or 12.67 weeks, or approximately three months, each. As a useful rule-of-thumb, gestation weeks 1 through 12 are considered the first trimester of pregnancy; weeks 13 through 24, the second trimester; and over 24 weeks, the third trimester.

Rates and Ratios

Rates and ratios are calculated by dividing the event of concern by the population at risk or a related population and multiplying by a constant (i.e. 1,000, 10,000, or 100,000). See below.

Abortion Rate - Number of abortions per 1,000 female population aged 15 to 44.

Abortion Ratio - Number of abortions per 1,000 live births.

Age-specific Rate - Number in event of concern for a specific age group per some fixed constant of population in that age group. For instance, the age-specific death rate is the number of deaths in a specific age group per 100,000 population in that age group. See different rates, i.e. fertility, pregnancy, abortion, for most typically used fixed constant in each rate.

Cause-specific Death Rate - Number of deaths from a specific cause per 100,000 population.

Complication Rate - Number of complication cases per 1,000 procedures; one case may have more than one complication.

(crude) Birth Rate - Number of live births per 1,000 population.

(crude) Death Rate - Number of deaths per 1,000 population.

Fertility Rate - Number of live births per 1,000 women, 15-44 years of age.

Fetal Death Ratio - Number of fetal deaths per 1,000 live births.

Infant Death Rate - Number of infant deaths per 1,000 live births.

Maternal Death Rate - Number of maternal deaths per 10,000 live births.

Neonatal Death Rate - Number of neonatal deaths per 1,000 live births.

Perinatal Death Rate - Number of perinatal deaths per 1,000 live births plus fetal deaths.

Pregnancy Rate - Number of total pregnancies (live births, fetal deaths, and abortions) per 1,000 female population aged 15-44.

Appendix B

Technical Notes

Reliability Of The Data

In analyzing any data, the possibility of errors in the data must not be overlooked. There are several types of possible errors, including underreporting or under-registration, errors made by the informant, and errors in compilation and processing. The most potentially dangerous error, however, is probably that of improper interpretation.

Statistics are neither more true nor false than the interpretation given to them. It should be emphasized that most of the rates computed in this report are crude rates. For comparing geographic areas, crude rates are limited. They do not reflect differences in age, sex, race, and other population characteristics. In addition, it is important to recognize the possible distortion in these rates where the number of events or the population is small. Minor variations in the number of events may result in major changes in the rates. Special caution should also be exercised in analyzing trend data, because of changes throughout the years in medical diagnosis, coding definitions, and registration coverage.

Collection Year

Data for the Vital Statistics and Induced Terminations of Pregnancy report are compiled from items on birth, death, marriage, and divorce certificates, and abortion reports received before April 15, 1988. (See Appendix F for samples.)

Interstate Exchanges

Washington State is a member of the interstate exchange agreement and receives birth and death certificates of residents who have died in other states. Although, no formal agreement exists, some states have agreed to exchange abortion reports. Out-of-state marriage and divorce certificates are not exchanged.

Population

Population data in this report are an estimate of population provided by the Washington State Office of Financial Management, April 1, 1987.

Race

The race of women obtaining induced abortions, although collected, is not useful for analysis because of the large number of reported unknowns and blanks. In 1987, "unknown" was the second largest category, amounting to more than all other racial categories combined except white among reported abortions.

The determination of race on birth and death certificates follows decision rules established by the National Center for Health Statistics (NCHS).

If more than one race is listed and one is Hawaiian, Hawaiian is selected. In cases of other races, the first non-white race listed is selected.

To determine race of newborns on birth certificates, each parent's race is first established according to the previous rules. Rules to determine race of the child, then, fall along a similar pattern:

- If either parent is Hawaiian, then the child's race is considered Hawaiian.
- In cases where one parent is white and the other non-white, the non-white race is selected as the race of the child.

- If both parents are non-white, the father's race is selected except where the mother's race is Hawaiian.

The racial category, Mexican/Chicano, is exclusive to persons who identified themselves as either Mexican, Chicano, or Mexican-American. Persons who identified themselves as Hispanic or as one of several other ethnic groups of Spanish origin, such as Cuban or Puerto Rican, were not included in this category. Using the category Mexican/Chicano as a surrogate for Spanish origin or Hispanic could result in erroneous conclusions.

Occurrence Data

The validity of occurrence death data has some limitations. As the death certificate does not specify inside or outside of corporate limits for place of death, rural deaths may be incorrectly assigned to cities because the location of death was in close proximity to a city. Informants, moreover, often are unaware of city boundaries.

Cause Of Death Classification

The causes of death presented herein are classified in accordance with the The International Classification of Diseases, Ninth Revision published by the World Health Organization. The State of Washington began using this revision January 1, 1979.

Ranking Of Leading Causes Of Death

In the interest of comparability, this summary uses, in general, the cause of death groups established by the National Center for Health Statistics (NCHS).

Low Birth Weight

Traditionally, low birth weight has been defined as 2,500 grams or less. However, the International Classification of Diseases, Ninth Revision (ICD-9) redefines low birth weight as less than 2,500 grams. Thus, 2,500 grams should now be included with the normal birth weight category. The impact of this change is minimal in the United States, where most weights are given in pounds and ounces. No weight of pounds and ounces converts exactly to 2,500 grams (5lb, 8oz is 2,495g and 5lb 9oz is 2,523g). It is, therefore, unlikely that many weights of 2,500 grams are recorded. In fact, none were found in a study of 1984 Washington State births. In the interests of consistency with past data, Washington State has chosen to continue including 2,500 grams with the low birth weight category.

Abortion Complications

Complication totals and rates of abortion procedures should be interpreted with some caution. Some incomplete reporting could have resulted where followup care was carried out after reports were filed or by another physician. In addition, when comparing total rates between years, differences in forms and data processing rules may create artificial changes. In 1987, minor complaints reported by physicians among "Other Complications" were not suppressed as in previous years. These were items, such as "unexplained pain" or "hemorrhage less than or equal to 500 cc."

Rounding

Rates are rounded to the nearest tenth. When the rate or percent is less than one-tenth, the entry is 0. Where whole numbers are used, a blank indicates none or zero.

Appendix C

Conversion of Birth Weight in Grams to Pounds and Ounces

Gramweight	Pounds and Ounces
1,000 grams and under	2 lbs. 3 oz. and less
1,001 - 1,500	2 lbs. 4 oz. - 3 lbs. 4 oz.
1,501 - 2,000	3 lbs. 5 oz. - 4 lbs. 6 oz.
2,001 - 2,500	4 lbs. 7 oz. - 5 lbs. 8 oz.
2,501 - 3,000	5 lbs. 9 oz. - 6 lbs. 9 oz.
3,001 - 3,500	6 lbs. 10 oz. - 7 lbs. 11 oz.
3,501 - 4,000	7 lbs. 12 oz. - 8 lbs. 13 oz.
4,001 - 4,500	8 lbs. 14 oz. - 9 lbs. 14 oz.
4,501 grams and over	9 lbs. 15 oz. and over

One pound = 453.59 grams

Appendix D

Population of the State of Washington by Age Group by Sex, April 1, 1987

Age Group	Total	Male	Female
Total	4,481,100	2,231,023	2,250,077
Under 1 Year	70,226	35,853	34,373
1 - 4	273,969	140,536	133,433
5 - 14	619,036	316,421	302,615
15 - 19	329,225	169,000	160,225
20 - 24	343,848	176,473	167,375
25 - 34	801,211	412,723	388,488
35 - 44	701,087	353,554	347,533
45 - 54	433,478	221,378	212,100
55 - 64	381,762	183,903	197,859
65 - 74	313,022	143,200	169,822
75 - 84	161,126	62,851	98,275
85 and Over	53,110	15,131	37,979

Appendix E

Population, State of Washington, Counties, and Cities of 10,000 Population and Over, April 1, 1987

	City Total	County Total
Adams		14,000
Asotin		17,200
Benton		104,100
Kennewick	37,320	
Richland	30,280	
Chelan		48,700
Wenatchee	18,480	
Clallam		53,400
Port Angeles	17,260	
Clark		209,900
Vancouver	43,390	
Columbia		4,100
Cowlitz		79,200
Kelso	10,700	
Longview	29,520	
Douglas		23,500
Ferry		6,000
Franklin		35,500
Pasco	18,520	
Garfield		2,400
Grant		52,100
Moses Lake	10,600	
Grays Harbor		63,000
Aberdeen	17,000	
Island		52,100
Oak Harbor	13,960	
Jefferson		18,100
King		1,384,600
Auburn	30,260	
Bellevue	82,070	
Des Moines	13,790	
Kent	30,090	
Kirkland	19,430	
Mercer Island	20,760	
Redmond	30,260	
Renton	35,360	
Seattle	491,300	
Kitsap		168,600
Bremerton	32,390	
Kittitas		25,100
Ellensburg	11,500	
Klickitat		16,500
Lewis		57,100
Centralia	11,830	
Lincoln		9,700
Mason		36,000
Okanogan		31,600
Pacific		17,300
Pend Oreille		8,900
Pierce		538,000
Puyallup	19,830	
Tacoma	158,900	
San Juan		9,200
Skagit		69,500
Anacortes	10,160	
Mount Vernon	14,400	
Skamania		7,800
Snohomish		393,600
Edmonds	28,300	
Everett	60,100	
Lynnwood	24,260	
Mountlake Terrace	16,060	
Spokane		355,900
Spokane (city)	172,100	
Stevens		30,200
Thurston		145,500
Lacey	15,840	
Olympia	29,600	
Wahkiakum		3,600
Walla Walla		48,300
Walla Walla (city)		25,420
Whatcom		117,200
Bellingham	46,360	
Whitman		39,200
Pullman	22,240	
Yakima		184,400
Yakima (city)	49,600	
State Total		4,481,100

Appendix F

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES
VITAL RECORDS

CERTIFICATE OF DEATH

LOCAL FILE NUMBER

146-8

STATE FILE NUMBER

OFFICE
SE ONLY

ISTRICT
OPIES
OSPITAL
CCURRENCE
ESIDENCE
RACT
CCUPATION
CC LOC
UERIES

IF DEATH OCCURRED IN INSTITUTION SEE HANDBOOK REGARDING COMPLETION OF RESIDENCE ITEM 5.

DECEDENT

1 NAME FIRST MIDDLE LAST
2 SEX
3 DEATH DATE (MO DAY YR)

4 RACE (WHITE BLACK AM IND ETC (SPECIFY)
5 AGE LAST BIRTH DAY (YRS)
6 UNDER 1 YEAR MOS DAYS
7 UNDER 1 DAY HOURS MINS
8 BIRTHDATE (MO DAY YR)
9 COUNTY OF DEATH

10 CITY TOWN OR LOCATION OF DEATH
11 PLACE OF DEATH ☒ BOX FOR PLACE THEN GIVE ADDRESS OR INSTITUTION NAME
0 ☐ HOME 2 ☐ IN TRANSPORT 3 ☐ EMERG RM OUT PTN 4 ☐ HOSP 5 ☐ NUR HOME 1 ☐ OTHER PLACE
12 RECEIVED EMERGENCY CARE AMBULANCE FIREFTR PARAMED? YES/NO

13 BIRTH STATE (IF NOT IN USA GIVE COUNTRY)
14 CITIZEN OF WHAT COUNTRY
15 MARRIED NEVER MARRIED WIDOWED DIVORCED
16 SPOUSE (IF WIFE GIVE MAIDEN NAME)
17 WAS DECEDENT EVER IN U S ARMED FORCES? (YES/NO)

18 SOCIAL SECURITY NO
19 USUAL OCCUPATION (GIVE KIND OF WORK DONE DURING MOST OF WORKING LIFE EVEN IF RETIRED)
20 KIND OF BUSINESS OR INDUSTRY

21 RESIDENCE NUMBER AND STREET
22 CITY/TOWN OR LOCATION
23 INSIDE CITY LIMITS? (YES NO)
24 COUNTY
25 STATE

PARENTS

26 FATHER NAME FIRST MIDDLE LAST
27 MOTHER MAIDEN NAME FIRST MIDDLE LAST

28 INFORMANT NAME
29 MAILING ADDRESS STREET OR RFD NO CITY OR TOWN STATE ZIP

DISPOSITION

30 BURIAL CREMATION REMOVAL OTHER (SPECIFY)
31 DATE (MO DAY YR)
32 CEMETERY/CREMATORY NAME
33 LOCATION CITY/TOWN STATE

34 FUNERAL DIRECTOR SIGNATURE
X
35 NAME OF FACILITY
36 ADDRESS OF FACILITY

CERTIFIER

TO BE COMPLETED ONLY BY CERTIFYING PHYSICIAN

37 TO THE BEST OF MY KNOWLEDGE DEATH OCCURRED AT THE TIME DATE AND PLACE AND DUE TO THE CAUSE(S) STATED

SIGNATURE AND TITLE
X

38 DATE SIGNED (MO DAY YR)
39 HOUR OF DEATH (24 HRS)

40 NAME AND TITLE OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (TYPE OR PRINT)

TO BE COMPLETED ONLY BY MEDICAL EXAMINER OR CORONER

41 ON THE BASIS OF EXAMINATION AND/OR INVESTIGATION IN MY OPINION DEATH OCCURRED AT THE TIME DATE AND PLACE AND DUE TO THE CAUSE(S) STATED

SIGNATURE AND TITLE
X

42 DATE SIGNED (MO DAY YR)
43 HOUR OF DEATH (24 HRS)

44 PRONOUNCED DEAD (MO DAY YR)
45 HOUR PRONOUNCED DEAD (24 HRS)

46 NAME AND ADDRESS OF CERTIFIER PHYSICIAN MEDICAL EXAMINER OR CORONER (TYPE OR PRINT)

CAUSE OF DEATH

CONDITIONS IF ANY WHICH GAVE RISE TO IMMEDIATE CAUSE STATING UNDERLYING CAUSE LAST.

47 IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (A) (B) and (C))
INTERVAL BETWEEN ONSET AND DEATH

(A)
DUE TO OR AS A CONSEQUENCE OF
INTERVAL BETWEEN ONSET AND DEATH

(B)
DUE TO OR AS A CONSEQUENCE OF
INTERVAL BETWEEN ONSET AND DEATH

(C)

48 OTHER SIGNIFICANT CONDITIONS CONDITIONS CONTRIBUTING TO DEATH BUT NOT RELATED TO CAUSE GIVEN ABOVE
49 AUTOPSY? (YES/NO)
50 WAS CASE REFERRED TO MEDICAL EXAMINER OR CORONER? (YES/NO)

51 ACC SUICIDE HOM UNDET OR PENDING INVEST (SPECIFY)
52 INJURY DATE (MO DAY YR)
53 HOUR OF INJURY (24 HRS)
54 DESCRIBE HOW INJURY OCCURED

55 INJURY AT WORK? (YES NO)
56 PLACE OF INJURY AT HOME FARM STREET FACTORY OFFICE BLDG ETC (SPECIFY)
57 LOCATION STREET OR RFD NO CITY/TOWN STATE

58 REGISTRAR SIGNATURE
X
59 DATE RECEIVED (MO DAY YR)

FOR STATE REGISTRAR USE ONLY

60 ITEM	DOCUMENTARY EVIDENCE	REVIEWED BY	DATE	ITEM	DOCUMENTARY EVIDENCE	REVIEWED BY	DATE

DSHS 9-150 (REV 1-82)

SAMPLE

BEST AVAILABLE COPY

VITAL RECORDS USE ONLY
A. DISTRICT
B. COPIES
C. HOSPITAL
D. OCCURRENCE
E. RESIDENCE
F.
G.
H. TRACT
I.
J.
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O. F-OCCUP
P. M-OCCUP
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AA. QUERIES
BB.
CC.

000301 -87

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES
VITAL RECORDS

146-8

CERTIFICATE OF LIVE BIRTH

LOCAL FILE NUMBER

STATE FILE NUMBER

1. CHILD'S NAME First Middle Last
2. SEX
3. DATE OF BIRTH Mo. Day Yr.
4. HOUR
5. TYPE OF BIRTHPLACE (SPECIFY TYPE) ☐ 1 HOSPITAL ☐ 3 BIRTH CENTER ☐ 5 HOME ☐ 2 ENROUTE ☐ 4 OTH. MED. FACIL. ☐ 6 OTHER
6. NAME OF FACILITY/IF NOT A FACILITY ENTER NAME OF PLACE AND ADDRESS
7. CITY/TOWN/LOCATION
8. COUNTY OF BIRTH
9. I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS CHILD IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF ✕
10. DATE SIGNED Mo. Day Yr.
11. NAME, TITLE OF ATTENDANT AT BIRTH IF OTHER THAN CERTIFIER (TYPE OR PRINT)
12. CERTIFIER — NAME AND TITLE (Type or print)
13. MAILING ADDRESS (STREET/BOX NO. CITY, STATE, ZIP CODE)
14. FATHER'S NAME First Middle Last
15. AGE (AT TIME OF THIS BIRTH)
16. STATE OF BIRTH (IF NOT USA GIVE COUNTRY)
17. MOTHER'S NAME First Middle MAIDEN
18. AGE (AT TIME OF THIS BIRTH)
19. STATE OF BIRTH (IF NOT USA GIVE COUNTRY)
20. RESIDENCE (NUMBER AND STREET)
21. CITY/TOWN/LOCATION
22. INSIDE CITY LIMITS (YES/NO)
23. COUNTY
24. STATE
25. MOTHER'S MAILING ADDRESS (IF SAME AS ABOVE ENTER ZIP CODE ONLY)
26. NAME OF INFORMANT (TYPE OR PRINT)
27. RELATION TO CHILD
28. DATE RECEIVED BY LOCAL REGISTRAR
29. REGISTRAR (SIGNATURE)
30. DATE RECEIVED BY STATE REGISTRAR
31. RECORD AMENDMENT (STATE REGISTRAR USE ONLY)

ITEM	DOCUMENTARY EVIDENCE	REVIEWED BY	DATE	ITEM	DOCUMENTARY EVIDENCE	REVIEWED BY	DATE

SAMPLE

TYPE OR PRINT LEGAL PORTION IN PERMANENT BLACK INK

CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY—DETACHED FROM CERTIFICATE BEFORE PERMANENT FILING.

FATHER

32. RACE (White, Black, American Indian, etc.) (specify)
33. OCCUPATION (Indicate most recent employment) (Pressman, painter, computer programmer) (specify)
34. TYPE OF BUSINESS OR INDUSTRY (paper mill, hwy. construction, nuclear) (specify)

MOTHER

35. RACE (White, Black, American Indian, etc.) (specify)
36. OCCUPATION (Indicate most recent employment) (fruit packer, cashier, registered nurse) (specify)
37. TYPE OF BUSINESS OR INDUSTRY (apple orchard, retail sales, hospital) (specify)
38. IS MOTHER MARRIED? ☐ Yes ☐ No

39. PRIOR LIVE BIRTHS (DO NOT INCLUDE THIS BIRTH)

☐ NONE

	NOW LIVING	NOW DEAD
37 WEEKS OR MORE (Full term)		
LESS THAN 37 WEEKS (Premature)		

DATE LAST LIVE BIRTH (Mo. Yr.)

40. OTHER PREGNANCY OUTCOMES (NOT LIVE BIRTHS)

☐ NONE

	SPONTANEOUS	INDUCED (Any Gest. Age)
37 WEEKS OR MORE		
20-36 WEEKS		
LESS THAN 20 WEEKS		

DATE LAST OTHER PREGNANCY OUTCOME (Mo. Yr.)

41. TOTAL PRIOR PREGNANCIES
42. DATE LAST NORMAL MENSES BEGAN Mo. Day Yr.
43. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1st, 2nd, 3rd, etc.)
44. TOTAL NUMBER OF PRENATAL VISITS (If none, enter 0)
45. AMNIOCENTESIS (Indicate Trimester) ☐ 1st ☐ 2nd ☐ 3rd ☐ Not done ☐ Unknown
46. DID MOTHER SMOKE AT ANY TIME DURING PREGNANCY? ☐ Yes ☐ No ☐ Unknown
47. THIS BIRTH (single, twin, etc.)
48. IF NOT SINGLE (Born 1st, 2nd, etc.)
49. BIRTH WEIGHT
50. APGAR SCORE 1 Min. 5 Min.
51. WAS BABY TRANSFERRED TO ANOTHER FACILITY? ☐ Yes ☐ No ☐ Unknown

CHECK ALL BOX(ES) IN EACH COLUMN THAT APPLY

52. COMPLICATIONS DURING OR RELATED TO PREGNANCY (MATERNAL)
- ☐ 0. None
- ☐ 1. Diabetes (gestational)
- ☐ 2. Diabetes (established)
- ☐ 3. Chronic hypertension
- ☐ 4. Pyelonephritis
- ☐ 5. Epilepsy
- ☐ 6. Preeclampsia
- ☐ 7. Eclampsia
- ☐ 8. Rh sensitization
- ☐ 9. Herpes–Active___ Hx___
- ☐ 10. Syphilis
- ☐ 11. Rubella
- ☐ 12. Polyhydramnios
- ☐ 13. Other (specify)

53. COMPLICATIONS OF LABOR
- ☐ 0. None
- ☐ 1. Abruptio placenta
- ☐ 2. Placenta previa
- ☐ 3. Rupture of uterus
- ☐ 4. Cord prolapse
- ☐ 5. Membranes ruptured > 24hrs.
- ☐ 6. Breech
- ☐ 7. Cephalopelvic disproportion
- ☐ 8. Prolonged labor
- ☐ 9. Augmented labor
- ☐ 10. Other (specify below)

54. METHOD OF DELIVERY
- ☐ 1. Spontaneous
- ☐ 2. Vacuum extraction
- ☐ 3. Outlet forceps
- ☐ 4. Induced labor
- ☐ 5. Primary C-section
- ☐ 6. Repeat C-section
- ☐ 7. Vaginal delivery after previous C-section
- ☐ 8. Other (specify below)

55. CONDITIONS OF NEWBORN
- ☐ 0. None
- ☐ 1. Hyaline membrane/RDS
- ☐ 2. Sepsis (documented)
- ☐ 3. Seizures
- ☐ 4. Fetal distress/asphyxia
- ☐ 5. Erb's palsy
- ☐ 6. Other birth injuries (specify below)
- ☐ 7. Hemolytic disease
- ☐ 8. Fetal alcohol syndrome
- ☐ 9. Jaundice (bilirubin > 10)
- ☐ 10. Other (specify below)

56. CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD
- ☐ 0. None
- ☐ 1. Anencephalus
- ☐ 2. Spina bifida, meningocele
- ☐ 3. Hydrocephalus
- ☐ 4. Microcephalus
- ☐ 5. Patent ductus arteriosus
- ☐ 6. Other heart malformations (specify below)
- ☐ 7. Cleft lip
- ☐ 8. Cleft palate
- ☐ 9. Anal atresia/stenosis
- ☐ 10. T.E. fistula, esophageal atresia
- ☐ 11. Hypospadias
- ☐ 12. Omphalocele
- ☐ 13. Polydactyly
- ☐ 14. Syndactyly
- ☐ 15. Adactyly
- ☐ 16. Other limb reduction
- ☐ 17. Congenital dislocation of hip
- ☐ 18. Club foot
- ☐ 19. Down's syndrome
- ☐ 20. Other malformations (specify below)

DSHS 9-192 (Rev. 10/84) -913- 3

FOR SPECIFIC ITEM INSTRUCTIONS SEE HOSPITAL HANDBOOK

VITAL RECORDS USE ONLY
A. DISTRICT
B. COPIES
C. HOSPITAL
D. OCCURRENCE
E. RESIDENCE
F.
G.
H. TRACT
I.
J.
K.
L.
M.
N.
O. F-OCCUP
P. M-OCCUP
Q.
R.
S.
T.
U.
V.
W.
X.
Y.
Z.
AA. QUERIES
BB.
CC.

TYPE OR PRINT ENTIRE FORM IN PERMANENT BLACK INK

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES
VITAL RECORDS

CERTIFICATE OF FETAL DEATH

-88 LOCAL FILE NUMBER

146-8 STATE FILE NUMBER

SAMPLE

FETUS

1. FETUS NAME—FIRST | MIDDLE | LAST
2. SEX
3. DATE OF DELIVERY (Mo.-Day-Yr.)
4. HOUR
5. PLACE OF DELIVERY (specify type) ☐ 1 Hospital ☐ 2 Enroute ☐ 3 Birth Center ☐ 4 Oth Med Facil ☐ 5 Home ☐ 6 Other
6. NAME OF FACILITY/IF NOT A FACILITY ENTER NAME OF PLACE AND ADDRESS
7. CITY/TOWN/LOCATION
8. COUNTY OF DELIVERY

CAUSE FETAL DEATH

9. PART I (enter only one cause per line for (A), (B), AND (C))

Fetal or Maternal condition directly causing fetal death.
A IMMEDIATE CAUSE

Fetal and/or Maternal conditions, if any, giving rise to the immediate cause (A) stating the underlying cause last
B DUE TO, OR AS A CONSEQUENCE OF
C DUE TO, OR AS A CONSEQUENCE OF

10. SPECIFY FETAL OR MATERNAL
11. PART II OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER Conditions contributing to Fetal Death but not related to cause given in Part (A).
12. FETUS DIED ☐ 1 Before Labor ☐ 2 During Labor ☐ 3 During Delivery ☐ 4 Unknown
13. AUTOPSY ☐ YES ☐ NO

CERTIFIER

14. I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS FETUS IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF
X
15. DATE SIGNED (Mo-Day-Yr)
16. NAME, TITLE ATTENDANT AT DELIVERY IF OTHER THAN CERTIFIER (Type or Print)
17. CERTIFIER NAME AND TITLE (Type or Print)
18. MAILING ADDRESS (Street, Box Number, City, State, Zip)

PARENTS

19. FATHER'S NAME—FIRST | MIDDLE | LAST
20. AGE (At Time of This Delivery)
21. STATE OF BIRTH (If not U.S. give country)
22. MOTHER'S NAME—FIRST | MIDDLE | MAIDEN
23. AGE (At Time of this Delivery)
24. STATE OF BIRTH (If not U.S. give country)
25. RESIDENCE (Number and Street)
26. CITY/TOWN/LOCATION
27. INSIDE CITY LIMITS ☐ YES ☐ NO
28. COUNTY
29. STATE

DISPOSITION

30. BURIAL, CREMATION, REMOVAL, OTHER (Specify)
31. DATE (Mo-Day-Yr)
32. CEMETERY/CREMATORY—NAME
33. LOCATION—CITY/TOWN, STATE
34. FUNERAL DIRECTOR SIGNATURE
X
35. NAME OF FACILITY
36. ADDRESS OF FACILITY
36A. REGISTRAR SIGNATURE
X
36B. DATE RECEIVED BY REGISTRAR (Mo-Day-Yr.)

CONFIDENTIAL INFORMATION FOR MEDICAL AND RESEARCH USE ONLY

FATHER

37-A. RACE (White, Black, American Indian, etc.) (specify)
37-B. OF HISPANIC ORIGIN? (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc.
1. ☐ Yes 2. ☐ No
38. OCCUPATION (Indicate most recent employment) (salesman, painter, computer programmer) (specify)
39. TYPE OF BUSINESS OR INDUSTRY (paper mill, hwy construction, nuclear) (specify)
40. EDUCATION—Highest Grade Completed (0-17+)

MOTHER

41-A. RACE (White, Black, American Indian, etc.) (specify)
41-B. OF HISPANIC ORIGIN? (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc.
1. ☐ Yes 2. ☐ No
42. OCCUPATION (Indicate most recent employment) (fruit packer, cashier, registered nurse) (specify)
43. TYPE OF BUSINESS OR INDUSTRY (apple orchard, retail sales, hospital) (specify)
44. EDUCATION—Highest Grade Completed (0-17+)

PREGNANCY HISTORY

45. PRIOR LIVE BIRTHS

	NOW LIVING	NOW DEAD
☐ NONE		
37 WEEKS OR MORE (Full term)		
LESS THAN 37 WEEKS (Premature)		

DATE LAST LIVE BIRTH (Mo. Yr.) ____

46. OTHER PREGNANCY OUTCOMES (Not live births) (Do not include this delivery)

	SPONTANEOUS	INDUCED (Any Gest. Age)
☐ NONE		
37 WEEKS OR MORE		
20-36 WEEKS		
LESS THAN 20 WEEKS		

DATE LAST OTHER PREGNANCY OUTCOME (Mo. Yr.) ____

47. IS MOTHER MARRIED? ☐ Yes ☐ No
48. TOTAL PRIOR PREGNANCIES
49. DATE LAST NORMAL MENSES BEGAN Mo. Day Yr.
50. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1st, 2nd, 3rd, etc.)
51. TOTAL NUMBER OF PRENATAL VISITS (If none, enter 0)
52. AMNIOCENTESIS (Indicate Trimester) ☐ 1st ☐ 2nd ☐ 3rd ☐ Not done ☐ Unknown
53. DID MOTHER SMOKE AT ANY TIME DURING PREGNANCY? ☐ Yes ☐ No ☐ Unknown
54. THIS FETUS (Single, Twin, etc., Specify)
55. IF NOT SINGLE (Delivered 1st, 2nd, etc.)
56. FETUS WEIGHT (Specify Unit)
57. WAS MOTHER TRANSFERRED TO ANOTHER FACILITY? ☐ Yes ☐ No ☐ Unknown

COMPLICATIONS (check all boxes that apply)

58. COMPLICATIONS DURING OR RELATED TO PREGNANCY (Maternal)
- ☐ 0 None
- ☐ 1 Diabetes (gestational)
- ☐ 2 Diabetes (established)
- ☐ 3 Chronic Hypertension
- ☐ 4 Pyelonephritis
- ☐ 5 Epilepsy
- ☐ 6 Preeclampsia
- ☐ 7 Eclampsia
- ☐ 8 Rh Sensitization
- ☐ 9 Herpes active___ Hx___
- ☐ 10 Syphilis
- ☐ 11 Rubella
- ☐ 12 Polyhydramnios
- ☐ 13 Other (specify Below)

59. COMPLICATIONS OF LABOR
- ☐ 0 None
- ☐ 1 Abruptio placenta
- ☐ 2 Placenta previa
- ☐ 3 Rupture of uterus
- ☐ 4 Cord prolapse
- ☐ 5 Membranes ruptured > 24hrs.
- ☐ 6 Breech
- ☐ 7 Cephalopelvic disproportion
- ☐ 8 Prolonged labor
- ☐ 9 Augmented labor
- ☐ 10 Other (specify below)

60. METHOD OF DELIVERY
- ☐ 1 Spontaneous
- ☐ 2 Vacuum extraction
- ☐ 3 Outlet forceps
- ☐ 4 Induced labor
- ☐ 5 Primary C section
- ☐ 6 Repeat C section
- ☐ 7 Vaginal delivery after previous C section
- ☐ 8 Other (specify below)

61. CONDITIONS OF FETUS
- ☐ 0 None
- ☐ 1 Fetal Hemorrhage
- ☐ 2 Placenta and Cord conditions (specify)
- ☐ 3 Hemolytic Disease
- ☐ 4 Fetal Hydrops
- ☐ 5 Shoulder Dystocia
- ☐ 6 Other (specify below)

62. CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS
- ☐ 0 None
- ☐ 1 Anencephalus
- ☐ 2 Spina bifida, meningocele
- ☐ 3 Hydrocephalus
- ☐ 4 Microcephalus
- ☐ 5 Heart malformations (specify below)
- ☐ 6 Cleft lip
- ☐ 7 Cleft palate
- ☐ 8 Anal atresia/stenosis
- ☐ 9 Downs Syndrome
- ☐ 10 T.E. fistula, esophageal atresia
- ☐ 11 Hypospadias
- ☐ 12 Omphalocele
- ☐ 13 Polydactyly
- ☐ 14 Syndactyly
- ☐ 15 Adactyly
- ☐ 16 Other limb reduction
- ☐ 17 Congenital dislocation of hip
- ☐ 18 Club foot
- ☐ 19 Other malformations (specify below)

DSHS 9-196 (Rev. 1-88) -1055- 3

TYPE OR PRINT ENTIRE FORM IN PERMANENT BLACK INK

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES

VITAL RECORDS

CERTIFICATE OF MARRIAGE

146-8

COUNTY OF LICENSE

DATE

STATE FILE NUMBER

OFFICIANT

I CERTIFY THE PERSONS NAMED BELOW WERE MARRIED ON ● ● ● ● ● ●	1. DATE (MO DAY YR)	2. COUNTY OF CEREMONY	3. RELIGIOUS/CIVIL CEREMONY (SPECIFY)	4. DATE SIGNED (MO DAY YR)
5. OFFICIANT Signature X		6. OFFICIANT ADDRESS		

GROOM

7. NAME (FIRST MIDDLE LAST)			8. BIRTHDATE (MO DAY YR)	9. BIRTH STATE (IF NOT USA GIVE COUNTRY)
10. USUAL RESIDENCE (NUMBER AND STREET)	11. CITY/TOWN/LOCATION	12. INSIDE CITY LIMITS (YES/NO)	COUNTY	14. STATE
15. FATHER'S NAME	16. BIRTH STATE (IF NOT USA GIVE COUNTRY)	17. MOTHER'S MAIDEN NAME		18. BIRTH STATE (IF NOT USA GIVE COUNTRY)
19. GROOM Signature X				20. DATE SIGNED (MO DAY YR)

BRIDE

21. NAME (FIRST MIDDLE LAST)		22. MAIDEN NAME (IF DIFFERENT)	23. BIRTHDATE (MO DAY YR)	24. BIRTH STATE (IF NOT USA GIVE COUNTRY)
25. USUAL RESIDENCE (NUMBER AND STREET)	CITY/TOWN/LOCATION	27. INSIDE CITY LIMITS (YES/NO)	28. COUNTY	29. STATE
30. FATHER'S NAME	BIRTH STATE (IF NOT USA GIVE COUNTRY)	32. MOTHER'S MAIDEN NAME		33. BIRTH STATE (IF NOT USA GIVE COUNTRY)
34. BRIDE Signature X				35. DATE SIGNED (MO DAY YR)

36. WITNESS Signature X	37. WITNESS Signature X
38. COUNTY AUDITOR Signature X	39. DATE RECEIVED (MO DAY YR)

B 5710

DSHS 9-170 (REV 1-87) 1200- 3

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES

VITAL RECORDS

146

CERTIFICATE OF DISSOLUTION, DECLARATION OF INVALIDITY OF MARRIAGE OR LEGAL SEPARATION

COURT FILE NUMBER

STATE FILE NUMBER

DECREE

I CERTIFY THE MARRIAGE OF THE PERSONS NAMED BELOW WAS ORDERED AS A ● ● ● ● ●	1. DISSOLUTION OF MARRIAGE ☐ DECLARATION OF INVALIDITY ☐ LEGAL SEPARATION ☐	2. DATE OF ENTRY (MO DAY YR)	3. COUNTY OF DECREE
4. CLERK OF SUPERIOR COURT Signature X			

TO BE COMPLETED BY [illegible] ATTORNEY

HUSBAND

5. NAME FIRST, MIDDLE, LAST			6. DATE OF BIRTH (MO DAY YR)	7. BIRTHPLACE (State or Foreign Country)
8. USUAL RESIDENCE—STREET ADDRESS	9. CITY, TOWN OR LOCATION	10. INSIDE CITY LIMITS (Specify YES or NO)	11. COUNTY	12. STATE

WIFE

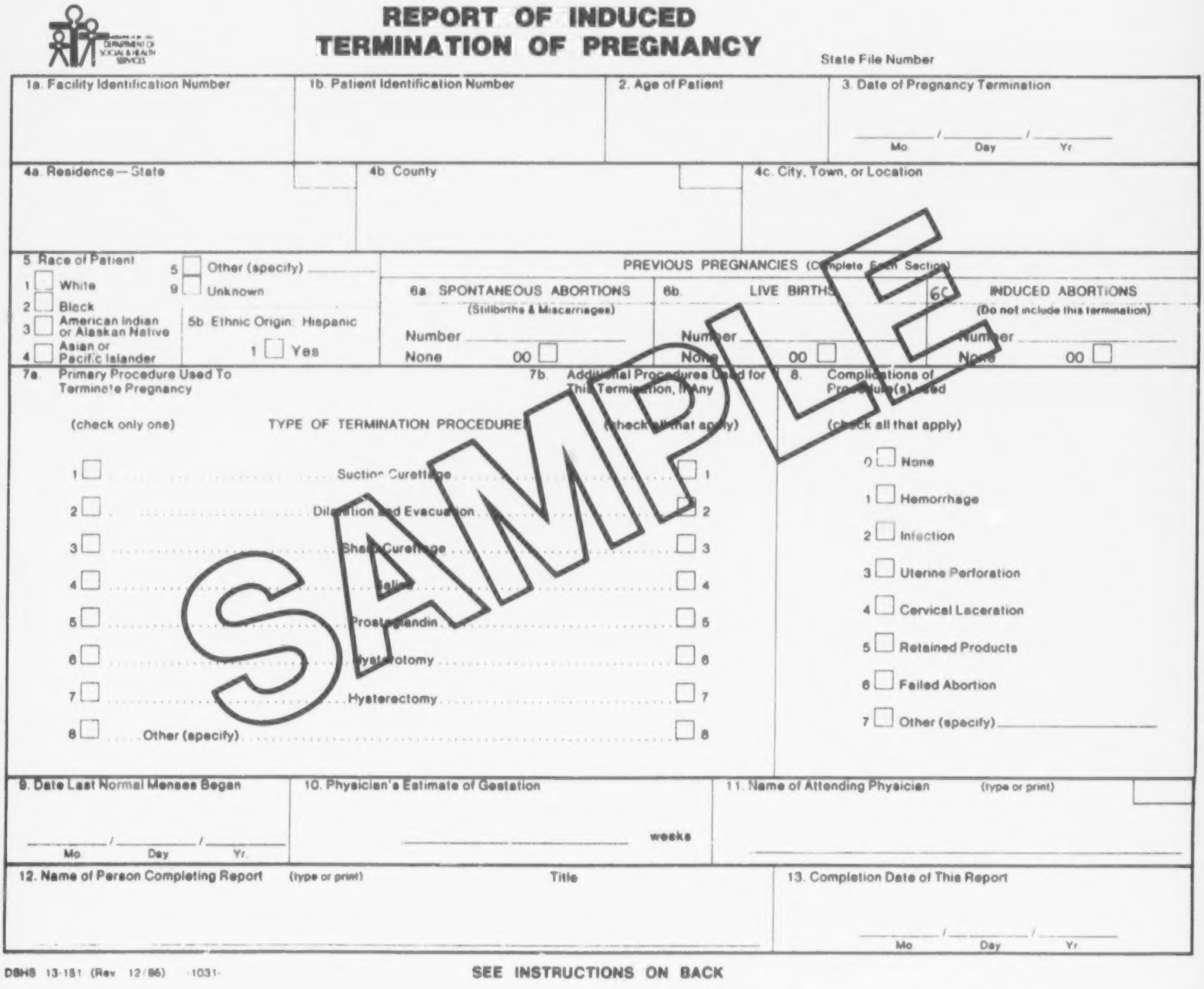
13. NAME FIRST, MIDDLE, LAST		14. MAIDEN NAME (IF DIFFERENT THAN MARRIED NAME)	15. DATE OF BIRTH (MO DAY YR)	16. BIRTHPLACE (State or Foreign Country)
17. USUAL RESIDENCE—STREET ADDRESS	18. CITY, TOWN OR LOCATION	19. INSIDE CITY LIMITS (Specify YES or NO)	20. COUNTY	21. STATE
22. PLACE OF THIS MARRIAGE—COUNTY	23. STATE (IF NOT USA GIVE COUNTRY)	24. DATE OF THIS MARRIAGE (mo day yr)	25. NUMBER CHILDREN BORN ALIVE OF THIS MARRIAGE (Specify)	
26. PETITIONER (HUSBAND, WIFE, BOTH, OTHER SPECIFY)	27. ATTORNEY FOR PETITIONER—NAME (Type or Print)	28. ADDRESS— STREET CITY OR TOWN STATE ZIP CODE		

49405

DSHS 9-171 (REV 1-89) -887-

SAMPLE

SAMPLE



DEPARTMENT OF SOCIAL & HEALTH SERVICES

REPORT OF INDUCED TERMINATION OF PREGNANCY

State File Number

1a. Facility Identification Number	1b. Patient Identification Number	2. Age of Patient	3. Date of Pregnancy Termination _____ / _____ / _____ Mo. Day Yr.

4a. Residence—State	4b. County	4c. City, Town, or Location

5. Race of Patient
1 ☐ White
2 ☐ Black
3 ☐ American Indian or Alaskan Native
4 ☐ Asian or Pacific Islander
5 ☐ Other (specify) ________
9 ☐ Unknown

5b. Ethnic Origin: Hispanic
1 ☐ Yes

PREVIOUS PREGNANCIES (Complete Each Section)

6a. SPONTANEOUS ABORTIONS (Stillbirths & Miscarriages)	6b. LIVE BIRTHS	6c. INDUCED ABORTIONS (Do not include this termination)
Number ________	Number ________	Number ________
None 00 ☐	None 00 ☐	None 00 ☐

7a. Primary Procedure Used To Terminate Pregnancy (check only one)	TYPE OF TERMINATION PROCEDURES	7b. Additional Procedures Used for This Termination, If Any (check all that apply)
1 ☐	Suction Curettage	☐ 1
2 ☐	Dilatation and Evacuation	☐ 2
3 ☐	Sharp Curettage	☐ 3
4 ☐	Saline	☐ 4
5 ☐	Prostaglandin	☐ 5
6 ☐	Hysterotomy	☐ 6
7 ☐	Hysterectomy	☐ 7
8 ☐	Other (specify)	☐ 8

8. Complications of Procedure(s) Used (check all that apply)
0 ☐ None
1 ☐ Hemorrhage
2 ☐ Infection
3 ☐ Uterine Perforation
4 ☐ Cervical Laceration
5 ☐ Retained Products
6 ☐ Failed Abortion
7 ☐ Other (specify) ________

9. Date Last Normal Menses Began _____ / _____ / _____ Mo. Day Yr.	10. Physician's Estimate of Gestation ________ weeks	11. Name of Attending Physician (type or print) ________

12. Name of Person Completing Report (type or print)	Title	13. Completion Date of This Report _____ / _____ / _____ Mo. Day Yr.

DSHS 13-151 (Rev. 12/86) -1031-

SEE INSTRUCTIONS ON BACK